



Introductions to the Winners of the

9th

National Industrial Innovation Award

Main Category

01 Organization

Distinguished Innovation Award (General Enterprises)	08
Distinguished Innovation Award (Small and Medium Enterprises)	10
Distinguished Innovation Award Academic and Research Institutions	12
Outstanding Innovation Award (General Enterprises)	14
Outstanding Innovation Award (Small and Medium Enterprises)	28
Outstanding Innovation Award (Startups)	42
Outstanding Innovation Award (Government Agencies)	50



02 Team

Innovative Trailblazer Team Award (Enterprise Initiatives)	58
Innovative Trailblazer Team Award (Academic and Research Institution Initiatives)	68

03 Individual

Innovative Elite Award (General Individual Category)	74
Innovative Elite Award (Female Category)	88
Innovative Elite Award (Youth Category)	94
Industry-Academia Collaboration Award	100

Origin

According to the "Industry Innovation Regulations" in 2010, the Ministry of Economic Affairs has held the "National Industrial Innovation Award of the Ministry of Economic Affairs" since 2011 (hereinafter referred to as the "Innovation Award"). Through the national award selection campaign, we hope to set up a learning model for industries, to converge the energy of industry, academy and research, with "innovation, employment, distribution" as the core value, to pursue a new economic model of sustainable development, to break through the industrial development limitations of our country, and to effectively enhance industrial competitiveness.

The Industry Innovation Awards emphasize on innovation, focusing on the humanities, technology and service energy which create value-added benefits for industries. The establishment of multiple awards respectively rewards the "integration and innovation" and

"cross-boundary cooperation" of the industry, academy and research community, and further creates value-added industrial innovation organizations, teams and individual models. In order to encourage the excellent performance of the members in the innovation system, besides general enterprises and organizations, the awards are designed to cover small and medium-sized enterprises, startups, government agencies, women, and young people. To encourage academics to promote industry-academia cooperation, individuals also have incentives for "Industry-Academia Collaboration". The range covers strategic fields such as Electromechanical and Transportation Sector, ICT Sector, Biomed, Material, and Chemical Sector, Service and Cultural and Creative Sector.

Industrial development is vital to the sustainable growth of national economy. Every unit invested in research and

development, every technical or design talent, and every innovative idea are the key forces that drive industrial innovation. This award provides a credible platform that evaluates innovation competitiveness. Through each campaign, in addition to selecting companies, government agencies, academic and research institutions that contribute to the industry and make the people feel moved, we expect to guide the industry, government, academia and research circles to break away from the technology-based thinking through these successful examples of innovation. Also, they can invest in service innovation, aesthetic elements, and then push up the value of the manufacturing in the middle of the smile curve, to achieve the ultimate goal of "Servitization of Manufacturing" and "Technological Service". The Ministry of Economic Affairs looks forward to not only creating an atmosphere of industrial reform, but also continually stimulating domestic innovation engines through activities that discover innovations and giving credit to industry models. Therefore, all award-winning enterprises, schools, corporations and experts can conduct a rational dialogue and exchange. More importantly, with the mechanism of Industry Innovation Awards, the innovative models of Taiwan industry can be recognized, and we hope that this award can accelerate the

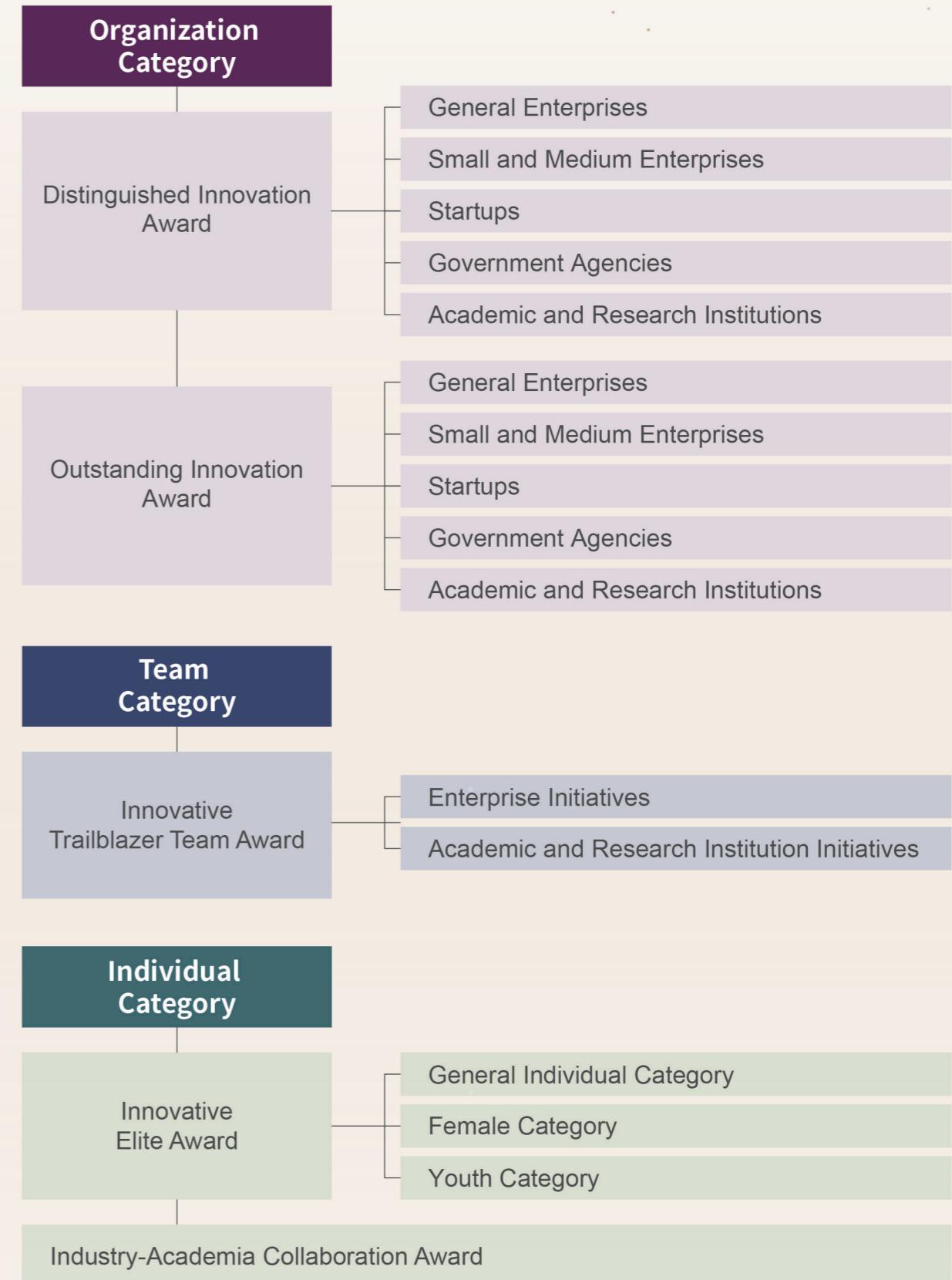
transformation of our industry, enhance international competitiveness, and create new value for Taiwan's industry.

The economy in Taiwan is going through a critical time of rising. In order to promote diverse innovation in the industry, the Ministry of Economic Affairs has edited this special book to share the stories and the innovation competitiveness of the 52 award-winning units. We hope that through the cooperation of all circles, we can transform the critical innovation energy of domestic industry. "Demand drives innovation, and innovation drives industry upgrade." Let's make a fresh start and launch the innovation, and together we can create a new blue ocean!



Nomination Categories

Group	Group Industries
Electromechanical and Transportation Sector	This category includes the metal, electrical and mechanical, transportation vehicles, automotive electrical components, automatic control, precision instruments and other energy-based industries.
ICT Sector	This category includes the semiconductor, IC design, display panel, computer and peripherals, communications and networking, mobile phone and telecommunication equipments, electronic components, and software, optoelectronics and optics industries.
Biomed, Material, and Chemical Sector	This category includes the new agriculture, medical and biotechnology, healthcare, food, materials, petrochemical industries, textile, glass and ceramics, green energy materials, and recycling technology industries.
Service and Cultural and Creative Sector	This category includes the cloud computing services, information services, testing services, logistics and storage, transportation services, technology services, human resources, trade and retail, engineering consulting services, financial insurance, cultural and creative, digital content and publishing, restaurant and tourism industry, intellectual properties management, education, and architectural design industries.



Realtek Semiconductor Corporation



Key Features

Founded in 1987, Realtek Semiconductor is the world's seventh-largest fabless IC design company, dedicated to innovative research and development and creating significant value for the industry. The company operates under a diversified business model, holds over 10,000 patents, and produces more than 2 billion IC chips annually. Its products span across PCs, multimedia, communication networks, AIoT, and automotive sectors, with several technologies leading on the global stage. Over the past decade, its R&D spending has averaged 27% of revenue. Around 90% of employees work in R&D, with nearly 80% holding master's or doctoral degrees, fueling ongoing innovation. Recognized by Clarivate as one of the Top 100 Global Innovators for three consecutive years, Realtek plans to further broaden its diverse portfolio of innovative products, deepen local supply chain integration, collaborate with global technology partners and academic experts, and help shape international standards. With its robust foundation in innovation, Realtek is committed to advancing the progress of the entire industry.

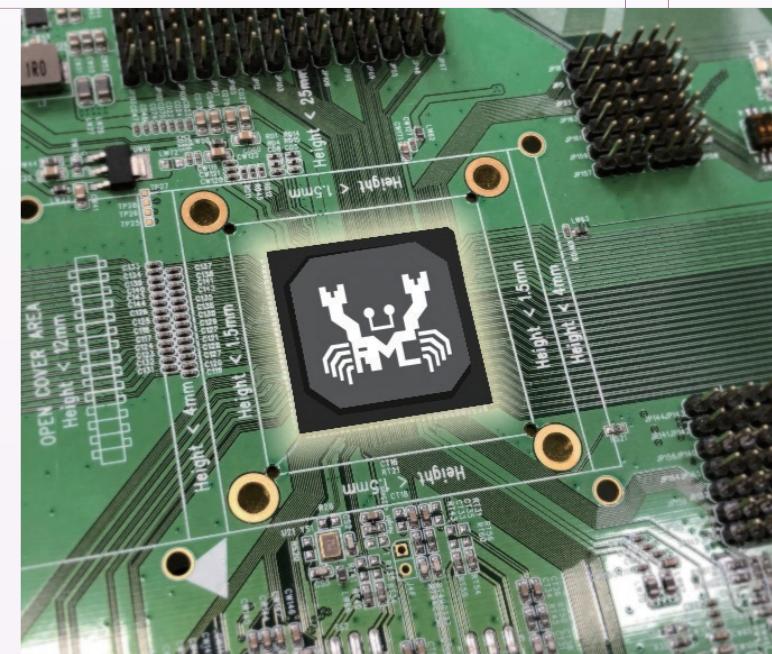
“

Guiding Philosophy

Realtek's logo features a crab, which symbolizes the spirit of collaboration found in gregarious crab communities. Guided by integrity, we pursue sustainable development through continuous innovation, embracing challenges in an ever-evolving environment. At the heart of our corporate culture is "self-confidence and trust in people"—a value that comes to life through our innovative teams.

— Sun-Chien Chiu, Chairman —

”



Company Profile & Business Contact Information

Core Business

Realtek Semiconductor's primary business operations encompass the research, development, design, and sales ICs, including Connected Media ICs, Communications Network ICs, Computer Peripheral ICs, Multimedia ICs and Smart Interconnect ICs.

Establishment Date

1987-10-21

Chairman of the Board

Sun-Chien Chiu

Number of Employees

7,542

Capital / Registered Capital

NT\$ 5.13 billion

Main Products / Services

- Communications Network ICs
- Connected Media ICs
- Computer Peripheral ICs
- Multimedia ICs
- Smart Interconnect ICs

Certifications / Awards

- Realtek's Edge AI Human Sensing USB Camera Controller (RTS5866) Selected as a CES 2024 Innovation Awards Winner
- Realtek Wins Clarivate Top 100 Global Innovators 2024 Award
- Realtek's New Generation AIoT Home Center SoC (RTL8730E) Wins 2024 COMPUTEX Best Choice Golden Award
- Realtek's 2.5GBASE-T1 MACsec Ethernet Transceiver (RTL9021AS) Wins 2024 COMPUTEX Best Choice Category Award (Vehicle Technology & Smart Cockpit)

Address

No 2, Innovation Road 2, Hsinchu Science Park, Hsinchu, Taiwan

Tel

+886-3-578-0211

Website

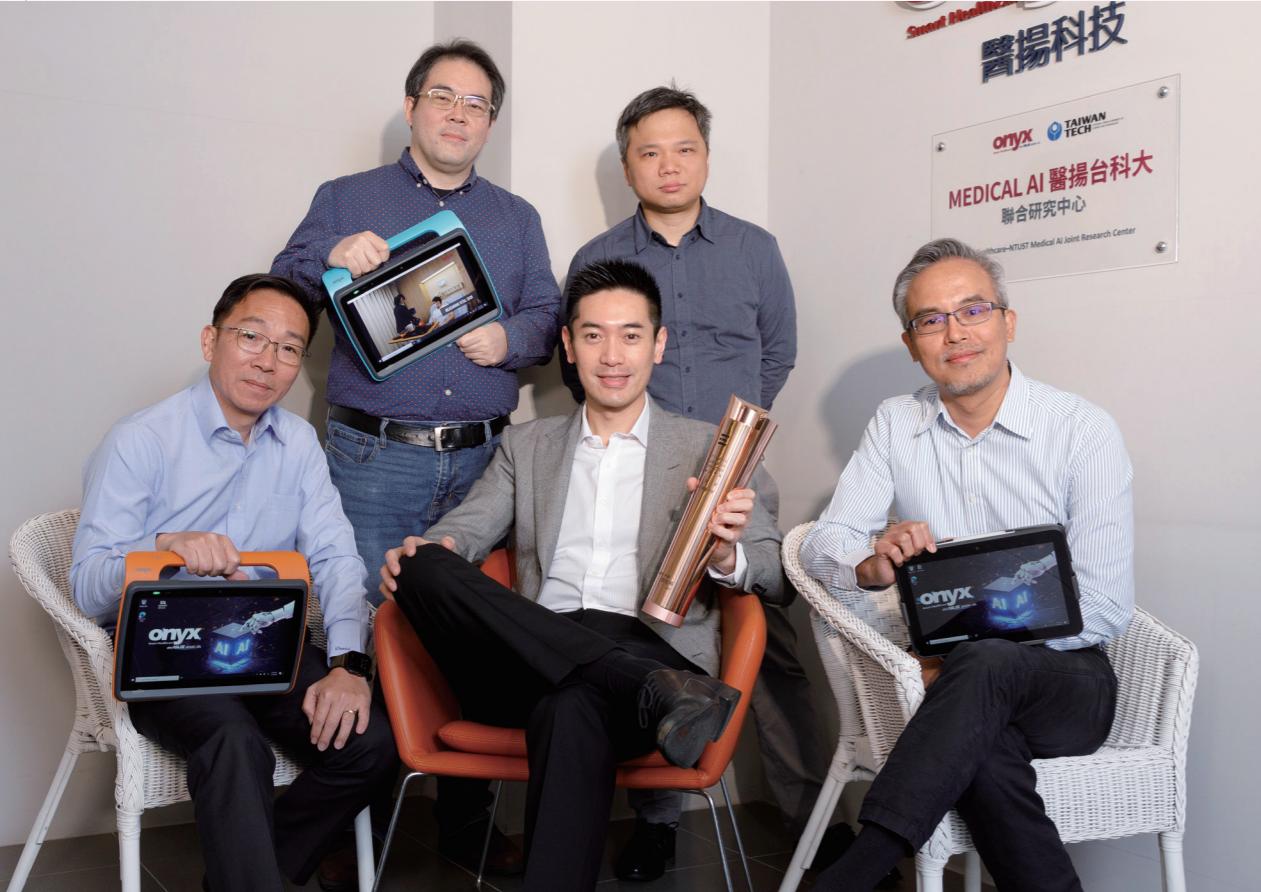
www.realtek.com



Distinguished Innovation Award

Small and Medium Enterprises

Onyx Healthcare Inc.



Key Features

Onyx Healthcare Inc., established in 2010, is a global leader in medical-grade AI computing platforms and smart healthcare solutions. With a strong foundation in embedded system design, Onyx integrates Intel server-grade CPUs and NVIDIA GPUs into its AI platforms, such as the ACCEL-VM series, to support surgical robotics, medical imaging, and clinical diagnostics. Its product portfolio includes physiological monitoring systems, mobile medical aids, long-term care systems, medical power solutions, and full-spectrum ODM/OEM services. All devices are designed for hospital-grade safety, featuring noise-free cooling, fanless architecture, and antibacterial surfaces for infection control. Onyx has formed a specialized AI firmware team to

accelerate real-world clinical AI deployment, backed by 10 approved patents and over 50 pending. Committed to ESG goals, Onyx also develops modular, energy-efficient systems that reduce environmental impact. Onyx continues to empower healthcare providers worldwide through innovation, integration, and intelligence.



“

Guiding Philosophy

Onyx Healthcare, built on the core values of integrity, simplicity, excellence, and diligence, is firmly rooted in the medical technology sector and dedicated to turning Taiwan's technological capabilities into a powerful force for safeguarding global health. We continuously pursue innovation and excellence, aiming to create a healthier, better future for humanity through smart and advanced healthcare solutions.

— John Chuang, President —

”

Company Profile & Business Contact Information

Core Business	Development of integrated AI medical computing platforms and smart healthcare solutions, enabling digital transformation for hospitals and clinical environments worldwide.
Establishment Date	2010-02-02
Number of Employees	~165
Capital / Registered Capital	NT\$ 390 million
Main Products / Services	Medical-grade computing solutions across 7 categories: physiological monitoring, mobile aids, nursing systems, medical controllers, long-term care, power supplies, and ODM/OEM services.
Certifications / Awards	Certifications: QMS (GMP) / ISO 13485 / ISO 9001 / ISO 14001 / FDA / MDR / IEC 60601-1 / IEC 60601-1-2 / UL 60601-1 Awards: (Selected awards listed below) 2024 Taiwan Excellence Award 2024 TCSA Sustainability Report Award – Silver Award & GRI Compliance Category 2024 Asia-Taiwan BIO Awards – Emerging Biotech Benchmark Enterprise
Address	4F, No.135, Ln. 235, Baoqiao Rd., Xindian Dist., New Taipei City 231, ROC
Tel	886-2-8919-2188
Website	www.onyx-healthcare.com



Distinguished Innovation Award

Academic and Research Institutions

Biomedical Technology and Device Research Labs, ITRI



Key Features

The Industrial Technology Research Institute's Biomedical Technology and Device Research Labs focus on digital healthcare, innovative pharmaceuticals, precision medicine, and cell therapy technologies. By harnessing its industrial advantages, it promotes cross-disciplinary integration to establish a comprehensive biomedical innovation ecosystem. It has developed multiple globally leading technologies and has repeatedly earned prestigious international honors, including the R&D 100 Awards and Edison Awards. Notable achievements include the iKNOBeads biomimetic magnetic beads with multi-protrusions, 3D printing biomimetic technology for tissue integration, and the intelligent radio frequency ablation (iRFA) system. The positive pressure testing booth, micro negative pressure testing lab, and rapid nucleic acid detection system developed during the pandemic successfully entered the Japanese market, showcasing its outstanding contributions to COVID-19 prevention. It has successfully spun off 10 startups, with 4 already listed on Taiwan's over-the-counter (OTC) market. In 2025, InnoCell Technology was established as the world's only biomimetic micromagnetic bead activation platform, propelling Taiwan's biotech medical industry toward international recognition.

“

Guiding Philosophy

We promote innovative technology R&D, collaborate with industry to shape the future, drive the clinical adoption of breakthroughs to enhance people's health and well-being, and strengthen talent cultivation to ensure sustainable growth and shared value creation.

— Eric Y. Chuang, Vice President, General Director of Biomedical Technology and Device Research Laboratories, ITRI —

”



Organization Profile & Contact Information

Core Business / Mission

Anchored in technological innovation, we are committed to advancing prevention, diagnosis, and care. By promoting interdisciplinary collaboration, we aim to establish a comprehensive ecosystem that fosters a healthier Taiwan.

Establishment Date

1998-07-01

Head of Institution

Eric Y. Chuang

Number of Employees

403

Main Products / Services

Medical Devices: biomedical chips, smart surgical solutions
Cell & Gene Therapy: stem and immune cells, cell-derived products (e.g., exosomes, endosomes), gene editing
Pharmaceutical R&D: ophthalmic and oncology drugs, nucleic acid and antibody drugs
Digital Healthcare: LLM platforms, SaMD platforms, generative AI drug development platforms, bioinformatics platforms.

Certifications / Awards

Global honors in biomedical R&D: 5 R&D 100 Awards & 7 Edison Awards

Address

195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu, 310401, Taiwan, R. O. C.

Tel

886-3-591-2530

Website

www.itri.org.tw



Outstanding Innovation Award

General Enterprises

Drewloong Precision, Inc.



Key Features

Founded in 1990, Drewloong Precision is a leading Taiwanese manufacturer of aerostructural components. As one of the few companies in Taiwan certified by international aerospace companies, Drewloong supplies critical components for both military and commercial aviation. With comprehensive in-house R&D capabilities, the company specializes in advanced technologies such as multi-axis precision machining, forming, heat treatment, NDT, shot peening and surface treatment. Its operations are supported by globally recognized certifications, including those from NADCAP and major international aerospace companies. By implementing PLM process management, Drewloong has increased efficiency by 20% and reduced costs by nearly 30%. The adoption of smart factory technologies is further driving its transition toward subsystem manufacturing, enhancing overall competitiveness. In the past three years, the company has introduced more than 1,700 new products, demonstrating its strong capacity for innovation. Through active support of industry-academia collaboration and R&D initiatives, Drewloong fosters a robust industrial ecosystem, cultivates a sustainable talent pipeline, and contributes to strengthening Taiwan's position in the global aerospace industry.



Guiding Philosophy

Drewloong is more than a manufacturer—we are a driver of innovation. Through intelligent manufacturing and digital management, we are making aerospace production smarter, more efficient, and future-ready. Looking ahead, we remain committed to advancing ESG initiatives, developing low-carbon smart factories, and fostering green innovation. Our goal is to empower Taiwan's aerospace industry to achieve sustainable growth and soar on the global stage with long-lasting success!

— KS Wang, President —



Company Profile & Business Contact Information

Core Business

A one-stop shop for precision CNC machining and Nadcap-approved special processes of aerospace components, providing high quality and reliability to OEMs and Tier-1 suppliers worldwide.

Establishment Date

1990-08-08

Chairman of the Board

KS Wang

Number of Employees

350

Capital / Registered Capital

NT\$ 400 million

Main Products / Services

Structural, Engine, Landing Gear parts of Aircraft

Certifications / Awards

AS 9100:D, ISO 9001, Nadcap, ISO 27001, ISO 14001, ISO 45001

Address

No. 166, Bade 2nd Rd., Renwu Dist., Kaohsiung 81453, Taiwan

Tel

886-7-310-1000

Website

www.drewloong.com.tw



Outstanding Innovation Award

General Enterprises

Coil Technology Corp.



Key Features

Established in 1987, Coil Technology was the first power converter maker in Taiwan to pass the SA8000 social accountability standard. It is actively promoting digital transformation and lean production by implementing MES, SCADA, and ERP. These efforts support the adoption of smart manufacturing systems that enhance both management efficiency and production competitiveness. The integration of real-time production technology with the SAT Line system boosts efficiency and enables tailored one-stop solutions that deliver added value. It has also developed a digital business ecosystem by introducing a smart factory war room and real-time monitoring system to further enhance productivity and profit margins. As a supplier to the aerospace and automotive industries, it drives industry upgrades through the development and delivery of high-tech products. With a focus on green product development and certifications in ISO 14001 and SA8000, Coil Technology continues to serve as an industry benchmark with its dedication to sustainability while leading supply chain upgrades and improving competitiveness.



“

Guiding Philosophy

We focus on long-term trends, develop future-oriented technologies, and boost efficiency and sustainable value through smart, digital, and eco-friendly supply chain management. By providing high-value services, we not only foster mutual growth with our business partners but also actively drive the market forward for industry advancement and transformation.

— Chih-Hang Cheng, General Manager —



Company Profile & Business Contact Information

Core Business	DC to DC Converter, AC to DC Converter
Establishment Date	1987-04-21
Chairman of the Board	Chen-Sheng Cheng
Number of Employees	285
Capital / Registered Capital	NT\$ 1,28 million
Main Products / Services	DC/DC Converter, AC/DC Converter
Certifications / Awards	ISO-9001, IATF-16949, ISO22613 (IRIS), and ESD/ANSI-2020 Rising Star Award, National SME Award, National Industrial Innovation Award
Address	No.133, Lide Rd., Daliao Dist., Kaohsiung City 831, Taiwan (R.O.C.)
Tel	886-7-701-7063
Website	https://www.powerctc.com



Outstanding Innovation Award

General Enterprises

Far EasTone Telecommunications Co., Ltd.



“FET President Chee Ching (center), Vice President Anson Tsai (left), and Director Eric Chen (right).”

Key Features

Far EasTone Telecommunications, one of Taiwan's three major telecom providers, is actively driving digital transformation as it evolves from a traditional telecom operator into a technology service company. It delivers innovative digital solutions by leveraging its core "Big Figures" technologies: Big Data, AI, and IoT. In the smart healthcare sector, Far EasTone has developed a 5G Remote Diagnosis Platform that harnesses its eco-friendly, secure 5G network and proprietary ICT solutions. The platform now covers all mountain and island health centers designated by the Ministry of Health and Welfare, and has expanded into emergency care, home-based long-term care, and health consultation services. To date, it has served over 67,000 people across 15 counties and cities, and 56 townships nationwide. Since the launch of video consultations in July 2024, over 164 medical institutions have applied to join the program, leading to the establishment of over 308 virtual clinics and support for home emergency care initiatives. Using 5G, it connects industries, aids government digitalization, strengthens infrastructure resilience, and promotes telemedicine to narrow the urban-rural healthcare divide. By integrating AI and data, Far EasTone supports the creation of smart communities and net-zero digital cities.



“

Guiding Philosophy

Only Innovation Will Change the Future.

The Far Eastern Group through corporate innovation, globalization, and social responsibility continues to remain engaged and creative in the face of the unexpected changes the future holds, with a vision towards a new horizon.

— Douglas Hsu, Chairman —



Company Profile & Business Contact Information

Core Business	Telecommunication
Establishment Date	1997-04-11
Chairman of the Board	Douglas Hsu
Number of Employees	5454
Capital / Registered Capital	NT\$ 42,000 million
Main Products / Services	<ul style="list-style-type: none"> Consumer: mobile communication, fixed-line, personal digital service Enterprise: telecom integration services, cloud services, cybersecurity, ICT
Certifications / Awards	silver medal of "Smart Innovation Awards" by the Ministry of Economic Affairs
Address	No. 468, Ruiguang Rd., Neihu Dist., Taipei City
Tel	886-2-7723-5000
Website	https://corporate.fetnet.net/content/corp/tw/index.html



Outstanding Innovation Award

General Enterprises

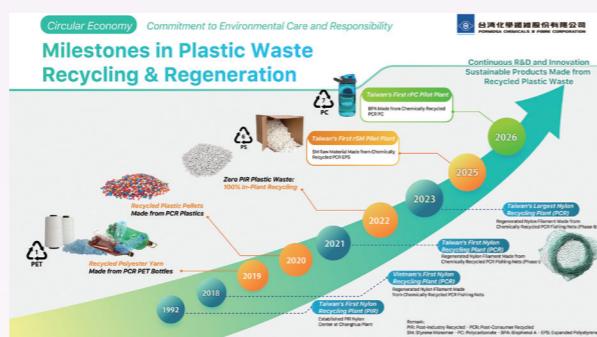
Formosa Chemicals & Fibre Corporation



Key Features

Established in 1965, Formosa Chemicals & Fibre is a global leader in the production of plastic and fiber materials. It centers its transformation on smart factory development and green business practices, promoting operational optimization and the advancement of a circular economy, with a strong focus on plastic recycling, energy transition, and digital transformation. Its collaboration with Guo Su Plastics recycles post-consumer plastics into PCR resin, while its facility in Vietnam converts discarded fishing nets into eco-friendly yarns. It has achieved a 100% recycling rate for its production scrap across all plants. It has independently developed a chemical recycling technology for marine plastic waste, attaining the world's highest annual production capacity of 15,000 tons. In 2023,

it launched 144 innovative products, generated over NT\$500 million in revenue, and advanced 62 low-carbon smart projects. Formosa Chemicals & Fibre ranks among the global leaders in recycled plastics manufacturing and is actively building a waste plastic recycling ecosystem to promote sustainable industrial development.



“Discarded Nylon Fishing Nets and Oyster Ropes.”

“

Guiding Philosophy

Resource circulation and waste reduction are key trends for the future. By integrating innovative R&D, energy transition, and digital transformation, we aim to build a sustainable business model that supports long-term growth and environmental responsibility.

— Fu-Yuan, Hong, Chairman —

”



Company Profile & Business Contact Information

Core Business

Our products cover petrochemical midstream raw materials, general-purpose plastics and engineering plastic raw materials, fibers, textiles, and power and energy services.

Establishment Date

1965-03-05

Chairman of the Board

Fu-Yuan, Hong

Number of Employees

3,996

Capital / Registered Capital

NT\$ 58,611 million

Main Products / Services

BZ, PX, OX, MX, SM, Phenol, Acetone, PTA, PIA, ABS, PC, PP, PS

Certifications / Awards

ISO 9001, ISO 14001, GRS, RoHS, REACH, ISCC PLUS

Address

Building A2, 10F, No. 388, Section 6, Nanjing East Road, Neihu District, Taipei City, Taiwan

Tel

886-2-2712-2211

Website

www.fcfc.com.tw



Outstanding Innovation Award

General Enterprises

Grape King Bio Ltd.



Key Features

Grape King Bio, founded in 1969, is one of Taiwan's leading biotech health food brands, specialising in probiotics and mushroom fermentation technologies. With more than 234 patents, the company continues to hold a leading share of the Taiwan health food market. Leveraging its unique patented technologies in Probiotics, *Antrodia cinnamomea*, *Hericium erinaceus*, *Ganoderma lucidum*, *Cordyceps sinensis*, compound mushroom products and functional beverages. Pharmaceutical formulations, proprietary medicines, and raw materials.

In recent years, Grape King Bio has actively invested in the development of botanical drugs and has submitted applications to the U.S. FDA for clinical trials targeting non-alcoholic steatohepatitis, marking its entry into the botanical drug field. The company also promotes technological innovation through industry-academia collaboration, offers internship opportunities, and actively supports the growth of Taiwan's biotechnology industry. Looking ahead, the Grape King Bio aims to further expand into global markets by integrating innovation and sustainability, unlocking new potential for the biotech sector.

“

Guiding Philosophy

Since its founding in 1969, Grape King Bio has remained true to the core values of "Technology, Health, and Hope," continuously driving innovation and dedicating itself to the development of high-quality health foods and biotechnology products. We firmly believe that innovation is not only the cornerstone of corporate growth, but also a vital driving force in elevating the international competitiveness of Taiwan's biotechnology industry. Therefore, we've invested in liquid fermentation technology to push the boundaries of research, development, and application. This dedication has enabled our products to establish a strong presence in the global market. Looking ahead, we will continue to advance technological innovation and champion green, sustainable development. With Taiwan as our foundation and the world as our stage, we aspire to position the biotechnology industry not only as a pillar of our domestic economy but also as a shining force in the global arena. Grape King aims to connect our internal teams with external partners to collaboratively build a healthier, brighter future for consumers around the world.

— Andrew Tseng, Chairman —

”

Company Profile & Business Contact Information

Core Business

Probiotics, *Antrodia cinnamomea*, *Hericium erinaceus*, *Ganoderma lucidum*, *Cordyceps sinensis*, compound mushroom products and functional beverages. Pharmaceutical formulations, proprietary medicines, and raw materials.

Establishment Date

1971-04-01

Chairman of the Board

Sheng-Lin Andrew Tseng Ph.D.

Number of Employees

588

Capital / Registered Capital

NT\$ 1,481 million

Main Products / Services

Health food supplement ODM/OEM, Own Brand: Ganoderma King, Antrondia King, Probiotics King, Combest, PowerBOMB

Certifications / Awards

halal, ISO/IEC 17025, ISO22000, HACCP, FSSC 22000, TQF, NSF GMP, GHP, ISO14001, ISO/CNS45001, ISO50001, ISO27001, ISO37001, TIPS, TTQS

Award: "NSF Premier Value Partner", "Outstanding Enterprise Innovation Award" at the 9th National Industrial Innovation Awards, Top 5% by TWSE in Corporate Governance Evaluation.

Address

No.402, Sec. 2, Jinling Rd., Pingzhen Dist., Taoyuan City 32403, Taiwan (R.O.C)

Tel

886-3-4572121

Website

<https://www.grapeking.com.tw/>



Outstanding Innovation Award

General Enterprises

Fubon Life Insurance Co., Ltd.



Key Features

Established in 2006, Fubon Life Insurance upholds the corporate core value of "Be Positive, Enrich Life." It fully taps into the protective function of insurance while ensuring fair treatment of customers. Through a range of channels, including business agents, bancassurance, insurance brokers and agents, and online platforms, it offers diverse purchasing options. It is also committed to creating a well-rounded, customer-friendly environment supported by warm and attentive services. At the same time, it continues to strengthen its endeavors in sustainable management, fair customer treatment, and corporate social responsibility. It has launched insurance products aligned with evolving social needs, such as the new and popular "participating insurance policy" and plans that cover actual reimbursement of cancer outpatient and hospitalization expenses. It also led the life insurance industry by introducing the commercial short code "68999" to mitigate fraud risk and has rolled out a range of digital services to enhance convenience for policyholders. Fubon Life Insurance also actively fulfills its corporate social responsibility through initiatives such as conducting river waste rapid screening surveys, promoting energy conservation and carbon reduction in the workplace, supporting disadvantaged communities in remote areas, advancing insurance education, and advocating for sports equality.



“

Guiding Philosophy

Fubon Life Insurance embraces innovation as its driving force and sustainability as its guiding vision, striving to lead the industry by continuously creating new value. We firmly believe that a company's true influence lies not in its size, but in its ability to drive meaningful change. Through technological innovation, we optimize the insurance value chain and enhance risk management. Guided by ESG principles and a commitment to sustainable operations, we continue to expand our positive impact on society. In the future, Fubon Life Insurance will continue to uphold its responsibility and commitment as an industry leader, advancing insurance service innovation and setting new benchmarks for the development of Taiwan's insurance industry.

— Howard Lin, Chairman —

”

Company Profile & Business Contact Information

Core Business	Life Insurance
Establishment Date	2006-03-01
Chairman of the Board	Howard Lin
Number of Employees	22,465
Capital / Registered Capital	NT\$ 150,000 million
Certifications / Awards	<ul style="list-style-type: none">World Finance 「Best Life Insurance Company Taiwan」National Sustainable Development 「National Sustainable Development Awards」Financial Supervisory Commission 「Top 25% of the life insurance companies in "Sustainable Finance Assessment"」
Address	8F., No.77, Songgao Rd., Xinyi Dist., Taipei City 110064, Taiwan
Tel	886-2-8771-6699
Website	https://www.fubon.com/life/



Outstanding Innovation Award

General Enterprises

Ditmanson Medical Foundation Chia-Yi Christian Hospital



Key Features

Established in 1958, Ditmanson Medical Foundation Chia-Yi Christian Hospital serves as a key medical institution in the Yunlin-Chiayi region. Offering more than 40 specialty services and handling a daily outpatient volume of 4,200 visits, it is dedicated to advancing smart healthcare and holistic care, with a strong focus on enhancing both medical quality and accessibility. It actively promotes 5G telemedicine to break through geographical barriers and provide care for rural and elderly patients. Its implementation of AIoT smart management systems optimizes medical workflows and resource allocation. Not only does it foster an elderly-friendly environment by offering home medical care and hospice services, but it also promotes inclusive policies for new immigrants, ensuring equitable access to healthcare for all. It has introduced the Smart Surgical System and Medical Integration Platform, further advancing the application of smart healthcare. The hospital has long been dedicated to indigenous health promotion and international medical outreach. In Eswatini, it implemented a maternal and child health program that increased the care rate from 22% to 82%, demonstrating its global impact in healthcare.

“

Guiding Philosophy

Guided by the faith values of the Bible, along with precise management and a spirit of innovative research and development, Chia-Yi Christian Hospital is advancing in four key directions: First, we are continuously enhancing the quality of healthcare by promoting smart healthcare solutions, expanding specialized medical services, and normalizing daily performance evaluations. Second, we are committed to talent development and recruitment by designing a variety of continuing education and growth programs to support personal and professional development within the hospital. Third, we are actively building a happy and supportive workplace by improving employee compensation and benefits, establishing open and diverse communication channels, promoting staff wellness, and fostering positive departmental environments. Fourth, we are deepening our commitment to community service and care through the integration of long-term care and medical services, expanding support for disadvantaged populations, and developing international medical outreach.

— Wei Chen, MD —



Organization Profile & Contact Information

Core Business / Mission

- Medical services: Outpatient care, Inpatient care, Emergency
- Long-term care services: Day care, Home services, Community services

Establishment Date

1958

Head of Institution

Wei Chen, MD

Number of Employees

3123

Main Products / Services

medical services

Certifications / Awards

- 2025 NCMEA National Clinical Medical Education Award-Gold Award in the Newcomer Group of the Simulated Situation Category
- 2025 Global Vision ESG Healthcare Sustainability Award, winning the Model Award in the "Low Carbon Operations Category" and the Excellence Award in the "Age-Friendly Category"

Address

No. 539, Zhongxiao Rd., East Dist., Chiayi City 60002, Taiwan (R.O.C.)

Tel

886-5-276-5041#8501

Website

<https://www.cych.org.tw/>



Outstanding Innovation Award

Small and Medium Enterprises

UVAT Technology Co., Ltd.



Key Features

Founded in 2002, UVAT Technology has dedicated itself to advancing the localization of semiconductor equipment. It has developed technology in plasma etching and cleaning core technologies and holds a leading position in the field of FOPLP processes, with its innovations adopted by major international semiconductor manufacturers. With high technological barriers and a modular design approach, it achieves process flexibility and stability, reinforcing its global market leadership. Its world-class plasma etching technology boasts a uniformity of 97–98% and a high target material utilization rate of 40%. In addition, it pioneered the development of quartz glass plasma etching TGV drilling technology, which is poised to replace traditional laser processes and drive the advancement of next-generation semiconductor packaging. UVAT Technology has successfully transitioned from an electronics company to a semiconductor equipment supplier. As a participant in the Ministry of Economic Affairs' A+ Industrial Innovative R&D Program, it has focused on heterogeneous packaging technology and accumulated 79 invention patents in Taiwan. Upholding a commitment to green environmental protection, it develops high-efficiency vacuum coating equipment, continuously drives technological innovation, supports industrial upgrading, and bolsters its international competitiveness.

Guiding Philosophy

UVAT Technology upholds the core values of honesty, humility, diligence, and innovation, and is dedicated to promoting eco-friendly vacuum plasma processes that align with ESG standards to offer a sustainable alternative to traditional, polluting electroplating methods. We continuously invest in R&D, expand into the high-end semiconductor backend sector, and develop advanced equipment tailored to industry needs. Steered by a spirit of integrity, UVAT is committed to growing alongside its customers, enhancing their added value, and boosting overall industry competitiveness.

— Yuan-Chi Lee, Chairman —



Company Profile & Business Contact Information

Core Business

Vacuum Sputter machine R&D and Manufacturing, Equipment Sales and Services, Vacuum Components Sales, Sputter OEM, New coating process development

Establishment Date

2002-11-04

Chairman of the Board

Yuan-Chi Lee

Number of Employees

115

Capital / Registered Capital

NT\$ 394.7 million

Main Products / Services

Semiconductor Vacuum Equipment Development / Equipment OEM & ODM Services

Certifications / Awards

Certifications:

SEMI S2 Certification / CE Certification / ISO 14001:2015 Environmental Management System / ISO 9001:2015 Quality Management System

Awards:

- 2025 9th National Industrial Innovation Award
- 2023 Innovative Product Award – Fan-out Package Metallization Seed Layer Thin Film Sputtering System

Address

2F, No.40, Keya Rd., Daya Dist., Taichung City 428, Taiwan

Tel

886-4-2565-3755

Website

www.uvat.com



Outstanding Innovation Award

Small and Medium Enterprises



ORISOL TAIWAN LIMITED



Key Features

Founded in 1987, ORISOL specializes in footwear solutions, executing production processes for internationally renowned brands and earning recognition as a designated supplier. It has provided long-term support in developing footwear industry clusters across South America, and stands as the only enterprise in Taiwan capable of partnering with global technology leaders such as Intel and Siemens to launch footwear software platform solutions, evidencing its exceptional technical expertise. Developing industry-leading 3D printing equipment tailored for shoe molds, it drives the digitalization and smart transformation of shoemaking equipment. This advancement enhances production efficiency and ensures consistent quality, while the integration of multiple innovative R&D technologies delivers significant carbon reduction benefits. It is committed to automating the shoemaking process through the development of automated shoe sewing systems, robotic arm spraying solutions, and 3D printing equipment specifically designed for shoe molds. Backed by nearly 40 years of global deployment experience, it has successfully integrated localized services with low-carbon mold manufacturing and additive manufacturing technologies to significantly boost its market competitiveness. In addition, ORISOL has obtained multiple ISO certifications and healthy workplace accreditations, and is actively integrating a digitalized sustainability platform with air compressor control systems, reflecting its commitment to environmental and social responsibility.



“

Guiding Philosophy

ORISOL believes that technology and innovation empower the footwear industry to achieve flexibility, agility, and rapid responsiveness. By leveraging scalability, compatibility, and digitalization, we deliver solutions essential for today's and tomorrow's intelligent manufacturing to drive production optimization and foster sustainable operations.

— Yuping Tseng, General Manager —



Company Profile & Business Contact Information

Core Business

Produce digital smart shoe machinery for use in preprocesses & postprocesses and integrate them into production lines with the goal of providing globalized resources and localized services for the footwear industry in various countries.

Establishment Date	1987-04-14
Chairman of the Board	Yuping Tseng, General Manager
Number of Employees	231
Capital / Registered Capital	NT\$ 791 million
Main Products / Services	Footwear Automation
Certifications / Awards	ISO 50001, ISO 14067, ISO 14064, D&B TOP 1000 Elits SME Award, Israel Innovation Authority, 40th edition of the prize Destaque & Garra de Ouro in the category Machinery Industry-Brazil
Address	No. 6, Fugong Rd., Fuxing Township, Changhua County 506027 Taiwan (R.O.C.)
Tel	886-4-769-7591
Website	https://tw.orisol.com/



Outstanding Innovation Award

Small and Medium Enterprises

Ufi Space Co., Ltd.



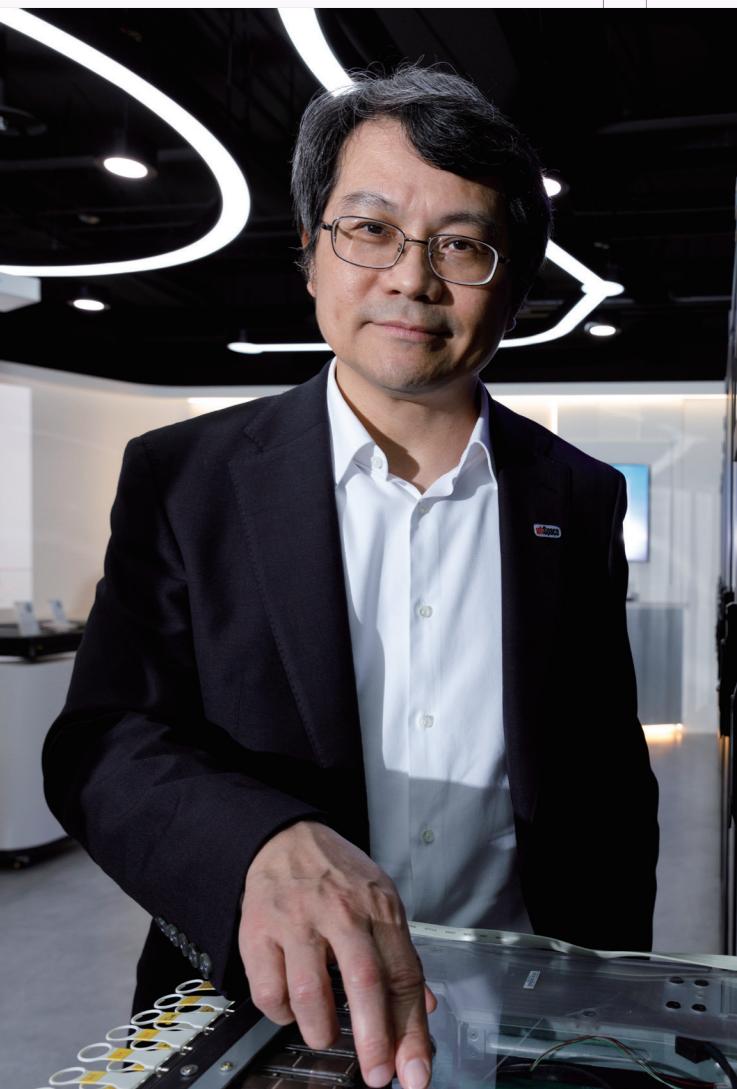
Key Features

UfiSpace is a globally leading enabler of 5G open networking, specializing in open architecture and internet packet transportation technologies while offering comprehensive end-to-end solutions for both carriers and data centers.

Guided by its 'Open to Connect' philosophy, UfiSpace launched two landmark innovations: the world's first commercial DCSG (Disaggregated Cell Site Gateway) and the first disaggregated DDC (Distributed Disaggregated Chassis), ushering in a new era of flexible and efficient 5G networking.

By consistently contributing its product designs to global open-source platforms like OCP (Open Compute Project), UfiSpace actively shapes industry specifications and drives the entire ecosystem forward.

Simultaneously, the company is pioneering high-level AI switching technologies to build a complete rack-level ecosystem, fortifying its global competitiveness in the 5G era and ensuring the continuous evolution of the telecommunications industry.



“

Guiding Philosophy

UfiSpace is built on a foundation of quality, sustainable partnership, and our core principle: 'Open to Connect.' We engineer pioneering open network solutions that empower our clients to master the challenges of B5G and AI. By fostering a collaborative ecosystem and driving technological innovation, we accelerate industrial growth for all.

— Vincent Ho, Chairman & CEO —

”

Company Profile & Business Contact Information

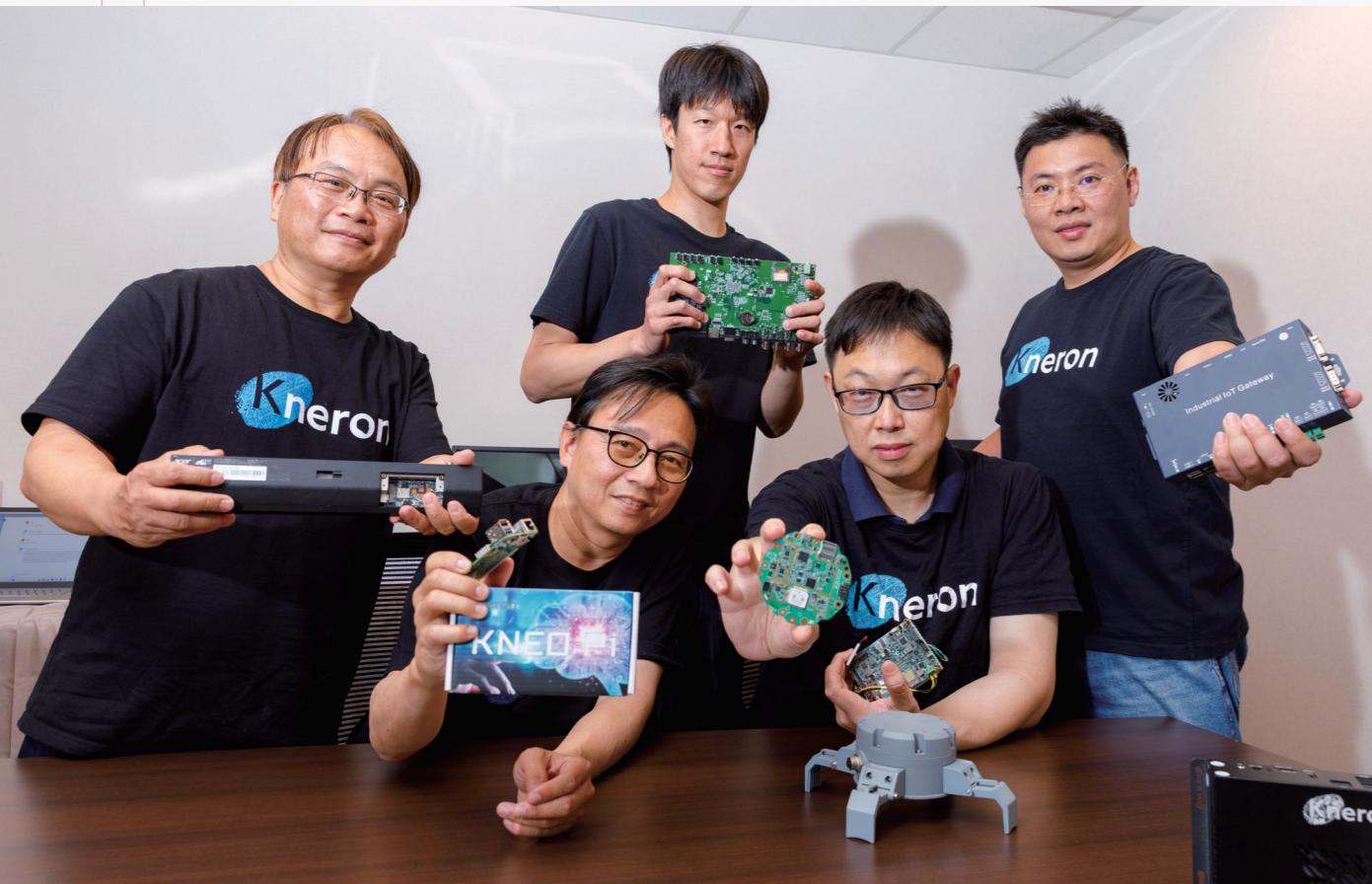
Core Business	5G and Beyond Open Networking Solution for the carriers and datacenter.
Establishment Date	2012-07-13
Chairman of the Board	Vincent Ho
Number of Employees	170
Capital / Registered Capital	NT\$ 348 million
Main Products / Services	45
Certifications / Awards	20+/ 10
Address	10F, No. 300, Jianquo 1st Rd., Xinzhuang Dist., New Taipei City 242047, Taiwan
Tel	886-2-7730-1188
Website	www.ufispace.com



Outstanding Innovation Award

Small and Medium Enterprises

Kneron (Taiwan) Co., Ltd.



Key Features

Founded in 2016, Kneron Taiwan specializes in developing NPU (neural processing unit) architecture AI chips, delivering high-performance, low-power computing solutions for the global edge AI market. It has introduced a reconfigurable NPU architecture that overcomes the limitations of traditional CPUs and GPUs, offering outstanding advantages in inference speed, power efficiency, and thermal management for next-generation AI computing. It showcases strong market competitiveness across automotive, IoT, cybersecurity, and edge server applications. It is actively advancing the application of large language models (LLMs) at the edge with the launch of Kneron KNEO Edge Server, a solution capable of running in local environments. This enhances data security and customization capabilities, enables the creation of enterprise-specific knowledge bases management, and supports more flexible and efficient Gen-AI applications.

It is also pioneering a platform-based sales model for AI applications, which allows customers to browse and select AI hardware and algorithms as easily as shopping in a supermarket. This significantly lowers the barrier to field validation. Its products have been adopted by leading manufacturers both in Taiwan and abroad. Ranked among the world's top three edge AI chip companies alongside Intel and TI, Kneron has significantly elevated Taiwan's global presence in the AI industry.



“

Guiding Philosophy

This award recognizes the hard work of the Kneron team and serves as a powerful motivation for our ongoing innovation. Moving forward, we will continue to advance AI research and development, deliver more efficient intelligent solutions, drive industrial upgrading, and showcase Taiwan's AI technology on the global stage!

— Albert Liu, Founder & CEO —

”

Company Profile & Business Contact Information

Core Business

Research, design, development include NPU and AI SoC and AI algorithms. The end products would be applied into surveillance, medical devices, smart home and factory equipment, multichannel drone cam, dash cam and AECQ100 G2 electronic devices

Establishment Date

2016-09-30

Chairman of the Board

Albert Liu

Number of Employees

100

Capital / Registered Capital

NT\$ 700 million

Main Products / Services

AI SOC, AI Dongle, edge AI server, Kneo Platform

Certifications / Awards

- 2024, TAIWAN IMPACT AI Awards
- 2023, Corporate Innovation and Leadership Award from the Consumer Technology Society (CTSoc) of the Institute of Electrical and Electronics Engineers (IEEE)
- 2022, IoT Innovation Award from Pan Wen Yuan Foundation

Address

12F., No. 386, Sec. 6, Nanjing E. Rd., Neihu Dist.,
Taipei City 11470, Taiwan (R.O.C.)

Tel

886-2-2795-5229

Website

<https://www.kneron.com/tw/>



MicroBase Technology Corp.



Key Features

Founded in 1997, MicroBase Technology is a global leader in industrial inkjet head elements and aerosol drug delivery solution. Leveraging laser micromachining, it has achieved remarkable advancements in industrial inkjet head elements, securing 90% of the market share in Taiwan. With keen foresight, they pioneered laser microperforation and extended its applications into biotechnology and healthcare, particularly in the field of precision medicine. By integrating intelligent design with vibrating mesh nebulizer, its advanced inhalation solutions are shaping new frontiers in aerosol drug delivery solution. MicroBase launched the global first polyimide (PI) material inline nebulizer, approved by the Taiwan FDA for ventilator inhalation therapy. They operate the world's only third-party laboratory accredited to conduct in-vitro testing of DPI, pMDI and portable nebulizer products in compliance with international standards and pharmacopeias (USP 1601, EP 2.9.44, ISO 27427, BS EN 13544-1, EN ISO 27427). Driving the advancement of global medical technology. In response to long-term care policies, it developed a hands-free homecare nebulizer to improve healthcare efficiency. Using 0.9% saline solution from the start of cold symptoms helps clear nasal passages, reduce mucus, and shorten illness. With a portfolio of 494 core patents and the development of 11 to 20 new products annually, it has successfully turned its business from losses to profitability through strategic business transformation to achieve significant growth in both gross profit and revenue. By deepening technological innovation, it advances the medical and precision manufacturing industries while strengthening its global competitive edge.



“

Guiding Philosophy

From precision manufacturing to precision medicine, always in service to humanity.

— Rick Liu, CEO —

”

Company Profile & Business Contact Information

Core Business

1. Aerosol Drug Delivery Solution
2. Industrial Inkjet Head Elements
3. Inhalation Analytic and Calibration Lab
4. Microneedles Skincare
5. CDMO

Covering Polymer Micro-holes, Microfluidics, and Combination Products

Establishment Date

1997-05-12

Chairman of the Board

Leo Lee

Number of Employees

80

Capital / Registered Capital

NT\$ 802 million

Main Products / Services

Nozzle Plate, Pocket Air Mesh Nebulizer & Soft Mist Inhaler, Insoluble/Soluble Microneedles

Certifications / Awards

CE, FDA, ANVISA, TGA

Address

No. 756 Jiadong Rd., Bade Dist., Taoyuan City, 334015, Taiwan

Tel

886-3-376-7555

Website

<https://microbasetech.com/>



Far Eastern Big City Shopping Malls Co., Ltd.



Key Features

Founded in 2010, Far Eastern Big City Shopping Malls Co., Ltd. integrates retail, dining, and entertainment to create a distinctive commercial ecosystem, while linking local cultural resources to enrich the consumer experience. Through its Art and Culture Empowerment Program, it supports local artistic development, while its Art Flow Strategy enhances customer engagement, driving steady foot traffic and generating new business opportunities. Big City actively promotes technological and cultural initiatives by partnering with the tech industry and educational institutions to host events such as International Women in Science Day, Taiwan Science Festival, and Joint Arts Festival, encouraging interdisciplinary learning. It also supports Hakka music programs to foster mother tongue preservation, which aligns with global trends. From 2018 to 2023, Big City invested substantial funding to support youth arts and cultural development, sponsoring the KGB Crew dance group and National Hsinchu Girls' Senior High School Honor Guard. Over this period, more than 30 performances were organized, garnering a cumulative audience of 45,000. It is also pushing for digital transformation to enhance both customer experience and operational efficiency. Big City has independently developed an app and electronic signature system to streamline operations, while embracing green procurement and sustainable management practices.

“

Guiding Philosophy

Big City has always believed that innovation isn't just about change, it's about improving life for everyone! Big City embraces the spirit of integrity, diligence, simplicity, prudence, innovation, and passion to deliver a quality consumer experience while actively advancing ESG goals. By supporting street arts, environmental sustainability, and diversity and inclusion initiatives, Big City uses the power of arts and culture to bring warmth and vitality to the city. We envision Big City as more than just a shopping destination, but a space that inspires and unites people, fostering a future of shared well-being and social harmony.

— Philby Lee, Chairperson —

”



Company Profile & Business Contact Information

Core Business	Shopping Mall , featuring a diverse mix of retail, catering, and sports and entertainment facilities.
Establishment Date	2010-12-02
Chairman of the Board	Philby Lee
Number of Employees	166
Capital / Registered Capital	NT\$ 500 million
Main Products / Services	Retail & Department Store
Certifications / Awards	<ul style="list-style-type: none">• Cultural Equity Award• Hakka-Friendly Enterprise Award• Digital Transformation Innovation Award
Address	No. 229, Zhongyang Rd., East Dist., Hsinchu City 30041, Taiwan(R.O.C.)
Tel	886-3-621-8824 / 886-3-621-8880
Website	https://www.febigcity.com/bigcity



Outstanding Innovation Award

Small and Medium Enterprises

Ta Chen Fong umbrella Co., Ltd.



Key Features

Established in 1983, Ta Chen Fong umbrella focuses on four core business areas: wholesale distribution, chain store channels, customization services, and direct retail. It is dedicated to crafting handmade umbrellas that blend durability, innovation, and aesthetic design. The Ta Chen Fong Umbrella Cultural and Creative Center offers a new model of consumer interaction through in-depth guided tours and the world's first DIY umbrella assembly experience. By linking with local scenic spots for promotional activities, it further increases brand visibility and market recognition. Rooted in cultural creativity and social responsibility, it has integrated the DIY creative industry to launch the international umbrella brand Tcf., showcasing Taiwan's umbrella craftsmanship on the global stage. Additionally, it actively participates in public welfare initiatives, producing umbrellas with environmentally friendly materials and putting ESG sustainability commitments into practice. Ta Chen Fong addresses consumer needs through technological innovation, developing patented products such as the UNSPIN instant closing umbrella and Storm Breaker, and has successfully forayed into Japan, Hong Kong, and Thailand. It adopts digital tools and 3D simulation technology to reduce development costs and boost the deal closure rate to 70%. It also implements the GRS (Global Recycled Standard) and eco-friendly ink printing to support carbon reduction and sustainability efforts, building a rain gear brand that aligns with modern consumer values and environmental trends.



“

Guiding Philosophy

Ta Chen Fong is deeply rooted in Taiwan yet driven by a global vision to lead the umbrella industry's transformation through innovation. By integrating expert design, technical R&D, and a comprehensive supply chain, we craft high-quality products that elevate Taiwanese umbrellas on the international stage, making them a trusted choice for consumers worldwide.

— Sheng-Hong Chen, Chairman —

”

Company Profile & Business Contact Information

Core Business	Umbrella Manufacturing
Establishment Date	1983-11-24
Chairman of the Board	Sheng-Hong Chen
Number of Employees	35
Capital / Registered Capital	NT\$ 80 million
Main Products / Services	Umbrella
Certifications / Awards	Taiwan SMEs Innovation Award
Address	No. 1160, Sec. 3, Taiyuan Rd., Beitun Dist., Taichung City 40661, Taiwan (R.O.C.)
Tel	886-4-2231-7689
Website	https://www.tachenfong.com.tw/



Outstanding Innovation Award

Startups

Mechavision Inc.



Key Features

Mechavision, spun off from the Mechanical and Systems Research Laboratories of the Industrial Technology Research Institute in 2018, is the only company in Taiwan dedicated to robot safety tactile sensing, focused on enhancing the safety and smart applications of human-machine collaboration. Its core product T-Skin in the safety series is the world's first tactile sensing device that has passed the highest level of EU CE certification and is ISO/TS 15066 compliant, successfully entering the international market. This technology offers both front-end and back-end upgrade solutions for robots to significantly improve the safety of industrial robots in smart manufacturing environments. The adoption by international brands, such as DENSO and KAWASAKI, is contributing to its steady revenue growth. T-Skin is also integrated into the next-generation high-speed collaborative robot COBOTTA PRO, positioning Mechavision as a key component supplier in the global automation industry. It will continue to advance human-machine collaboration technology and lead the development of safety standards in the automation industry.



Guiding Philosophy

Putting yourself in others' shoes and seeing things from different perspectives is the key to discovering genuine solutions.

— Dr. Camus Su, Chairman —



Company Profile & Business Contact Information

Core Business	Tactile Solutions for Human-Robot Collaboration Applications
Establishment Date	2017-11-08
Chairman of the Board	Dr. Camus Su
Number of Employees	20
Capital / Registered Capital	NT\$ 300 million
Main Products / Services	T-Skin / Tactile Solutions for Human-Robot Collaboration
Certifications / Awards	CE & UL / 31st Taiwan SMEs Innovation Award, 22nd Business Startup Award, and 32nd-33rd Taiwan Excellence Award
Address	3F, No.26, Kunyang St., Nangang Dist., Taipei City 115, Taiwan
Tel	886-2-2653-5800
Website	https://www.touche.solutions/



Linker Vision Co., Ltd.



Key Features

Linker Vision is positioning itself as a global Physical AI and Digital Twin platform, serving as the “AI operating system” for smart cities, smart spaces, and industrial infrastructure. Unlike traditional AI companies that focus on narrow applications, Linker Vision integrates Physical AI, Reasoning AI, and large-scale Digital Twins to deliver a complete cycle of training, simulation, and deployment.

Through close collaboration with NVIDIA’s software team, the company leverages GPU acceleration and optimized Vision Language Model (VLM) architectures to enhance real-time image analysis and integrate generative AI capabilities.

This has enabled the launch of Vision AI™, one of the first real-time streaming VLM analysis and data processing platforms, providing efficient solutions for both industrial and city-scale applications.

In partnership with the Kaohsiung City Government, Linker Vision has applied vision-language generative AI to develop field validation solutions for urban governance challenges. Its technology is already widely deployed across smart factories, autonomous vehicles, and city infrastructure, and the company remains committed to advancing Physical AI and visual analysis to build safer, smarter environments worldwide.

“ Guiding Philosophy

Driven by innovation, we are committed to bringing AI into practical, real-world applications. Through independent research and development, combined with flexible deployment, we strive to unlock the full potential of vision-language technology. Our solutions extend across smart cities, healthcare, manufacturing, and beyond—seamlessly integrating Vision AI into everyday life.

— Ray Wang, Head of Business Development —

Company Profile & Business Contact Information

Core Business	Multi-Modal Vision-Language Gen AI Solutions
Establishment Date	2021-07-30
Chairman of the Board	Paul Shieh
Number of Employees	70
Capital / Registered Capital	NT\$ 647 million
Main Products / Services	VisionAI Platform, Observ, DataVerse, Mirra
Certifications / Awards	6
Address	9F.-3, No. 136, Sec. 3, Zhongxiao E. Rd., Da'an Dist., Taipei City 10655, Taiwan (R.O.C.)
Tel	886-2-2772-1766
Website	https://www.linkervision.com/



Outstanding Innovation Award

Startups

tst biomedical electronics Co., Ltd.



Key Features

tst biomedical electronics specializes in surface acoustic wave (SAW) sensing technology for biotechnology and medical applications. It is dedicated to delivering innovative diagnostic solutions tailored to the needs of an aging society. It integrates immunobiochemical and electronic principles to compact, rapid, and portable biomedical sensing devices, which are applied in areas such as remote and home healthcare, as well as chronic disease monitoring. It developed the world's smallest and fastest extracorporeal diagnostic device, capable of performing quantitative immunoassays with just a drop of fingertip blood in under three minutes. Its iProtin reagent offers key advantages such as a one-year shelf life at room temperature and no requirement for cold chain logistics. It has received product certifications in multiple countries, highlighting its strong market competitiveness. In collaboration with multiple medical institutions, it has successfully developed over 10 application products and secured medical device approvals from the TFDA and CE certifications. Looking ahead, tst biomedical electronics aims to expand its global presence, advance smart healthcare development, and deliver precise, efficient detection technologies to meet the needs of an aging society.



“

Guiding Philosophy

We digitize biochemical data to enhance long-term care and health management.

— Yu-Tung Huang, Chairman —

”

Company Profile & Business Contact Information

Core Business	1. Medical device (iProtin) 3. Sensor OEM	2. Long-term care device (iProték) 4. Health-care-Service
Establishment Date	2018-12-21	
Chairman of the Board	Yu-Tung Huang	
Number of Employees	22	
Capital / Registered Capital	NT\$ 145 million	
Main Products / Services	SAW Immunoassay biosensors (Reader + Assay kits) Pet Veterinary blood tests, Long-term care products	
Certifications / Awards	ISO13485, QMS certified; POCT products PMDA, TFDA and CE approved	
Address	2 F, No. 3, Gongye 2nd Rd., Yongfeng Vil., Pingzhen Dist., Taoyuan City 32461, Taiwan (R.O.C.)	
Tel	886-3-469-0038	
Website	https://www.tst.bio/	



tstbio

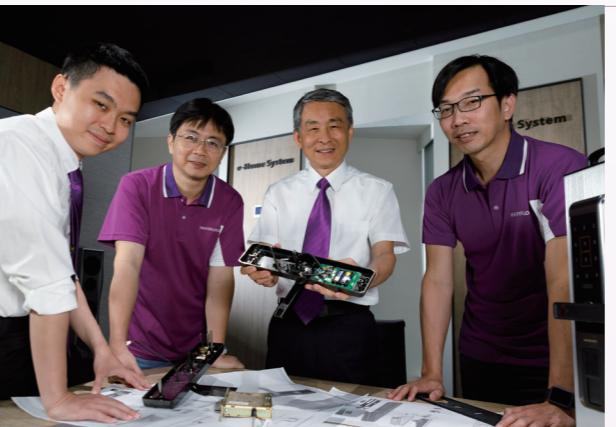


WAFERLOCK Corp.



Key Features

WAFERLOCK specializes in the development and application of smart locks and access control systems, committed to improving the security and convenience of smart homes and buildings. Its IoT-integrated comprehensive smart access control solution has established it as a leading brand in the market. C760, the world's first IP68 waterproof and dustproof smart cylinder, features kinetic detection and a combination ring knob, redefining the traditional approach to smart lock usage. It also launched Taiwan's first facial recognition smart lock with five-in-one unlocking capabilities, blending sleek, power-saving design with enhanced convenience and security for users. WAFERLOCK integrates its app with access control systems to deliver a comprehensive smart home solution, while expanding into diverse application scenarios by combining smart robotics with RFID and facial recognition. Holding numerous domestic and international patents and earning LEED Platinum certification, it seeks to continue investing in R&D to position itself at the forefront of sustainable and smart industry development.



“

Guiding Philosophy

WAFERLOCK is dedicated to independent R&D and innovative patents, building our own brand while expanding to the global market. Guided by a strong corporate culture, we emphasize teamwork and shared success, and remain committed to sustainable growth and giving back to society.

— Jack.Lien, President & CEO —

”



Company Profile & Business Contact Information

Core Business	Smart Locks & Smart Building Systems
Establishment Date	2019-12-30
Chairman of the Board	Jack.Lien
Number of Employees	180
Capital / Registered Capital	NT\$ 105 million
Main Products / Services	Smart Locks, Access Control Systems, Smart Home Systems
Certifications / Awards	<ul style="list-style-type: none">U.S. LEED Platinum certificationTaiwan Intelligent Building Diamond certificationFIABCI-Taiwan Real Estate Excellence Awards
Address	No. 16, Keyuan 2nd Rd., Xitun Dist., Taichung City 40737, Taiwan
Tel	886-4-2462-0208
Website	https://www.waferlock.com/tw



Outstanding Innovation Award

Government Agencies

National Research Institute of Chinese Medicine, MOHW



“

Guiding Philosophy

The National Research Institute of Chinese Medicine is committed to advancing the scientification, standardization, and internationalization of traditional Chinese medicine (TCM). By integrating clinical evidence with innovative R&D, we strive to strengthen the global impact of TCM within the international healthcare system. We will continue to strengthen industry-academic collaborations, enhance the development of new TCMs, and support the cultivation of locally sourced medicinal materials. With sustainable innovation as our guiding goal, we strive to bring Taiwan's TCM to the global stage and contribute to the betterment of human health.

— Yi-Chang Su, Director —

”

Company Profile & Business Contact Information

Key Features

The National Research Institute of Chinese Medicine under the Ministry of Health and Welfare serves as Taiwan's leading institution for traditional Chinese medicine (TCM) research. It adopts an innovative "from bedside to bench" R&D strategy to significantly accelerate the development timeline for Chinese medicine. During the pandemic, the institute rapidly launched NRICM101 and NRICM102, completing research, development, and commercialization within just five months. These formulations have been used by over 4 million people, generating end-product value exceeding NT\$5 billion. Its research team is actively expanding into global markets, with products receiving drug certifications from multiple countries and securing domestic Emergency Use Authorization (EUA). These achievements have significantly elevated the international presence and influence of Taiwan's TCM. Furthermore, the institute promotes the upgrading of the industry chain by establishing the TCM Pandemic Prevention National Team and the Taiwan TCM Clinical Research Alliance. These initiatives support the self-production and self-use of TCM medicinal materials, reinforcing supply chain resilience and integrity. By leveraging intelligent diagnostic equipment and AI technology, the institute is driving the digital transformation of TCM by modernizing traditional healthcare practices and opening new pathways for global expansion.

Core Business / Mission

Conduct research on the clinical, basic, chemical, literature, and medicinal materials development of traditional Chinese medicine (TCM)

Establishment Date

1963-10-22

Head of Institution

Yi-Chang Su

Number of Employees

98

Main Products / Services

NRICM101, NRICM102

Certifications / Awards

- 2022 Gold medal, Technology Transfer Award, Taipei Biotech Award
- 2021 Future Tech Award, Taiwan Innotech Expo
- 2021 The 18th National Innovation Award

Address

No. 155-1, Sec. 2, Linong St., Beitou Dist., Taipei City 11221, Taiwan (R.O.C.)

Tel

886-2-2820-1999

Website

<https://www.nricm.edu.tw/>





Outstanding Innovation Award

Government Agencies

Maritime and Port Bureau, MOTC



Key Features

The Maritime and Port Bureau (MPB) under the Ministry of Transportation and Communications oversees maritime and port administration, guided by the core value of people-centric maritime transport. Through its four strategic pillars—navigation, ports, ships, and tourism—it effectively integrates maritime transport and tourism resources, develops a green and energy-efficient blue highway, and advances sustainable marine tourism. Through its "TAIWAN Hi" branding, the MPB incorporates an aesthetic design mindset into the marine service industry to enhance the overall maritime transport experience. This approach elevates Taiwan's image in both domestic and international markets, weaves in the cultural identity of its offshore islands, and enriches the value of marine tourism. The MPB is actively fostering the integrated development of shipping and tourism to fuel a surge in offshore island travel. In July 2024, passenger volume on the Penghu Ferry increased by 161% compared to the same period two years earlier, with winter off-season growth reaching an impressive 259%. It also actively improves the efficiency of ports, vessels, and shipping routes through cross-agency collaboration and innovative vessel operation models. These efforts aim to stimulate the growth of related industries, expand the marine economy, and build highly integrated, high-quality blue highway networks.



Guiding Philosophy

With the core vision of people-oriented harbors, smooth maritime transportation, an excellent marine environment, and sustainable shipping, our goal is to elevate the service standards of Taiwan's Blue Highway, ensuring that both domestic and international passengers enjoy a safe, high-quality, and comfortable maritime travel experience.

— Hsieh-Lung Yeh, Director-General —



Organization Profile & Contact Information

Core Business / Mission

Building on strengthened maritime and port safety, we are committed to enhancing passenger and cargo services, advancing the Blue Highway, and promoting the sustainable development of the shipping industry.

Establishment Date

2012-03-01

Head of Institution

Hsieh-Lung Yeh

Number of Employees

636

Main Products / Services

The MPB is responsible for the supervision, management, and policy development related to the shipping industry, vessels, seafarers, maritime affairs, and commercial ports.

Certifications / Awards

- "Tokyo MOU" white list
- Quality Shipping for the 21st Century (QUALSHIP 21) program

Address

No. 1, Ln. 1, Sec. 3, Heping E. Rd., Da'an Dist., Taipei City 10624, Taiwan (R.O.C.)

Tel

886-2-8978-2900

Website

<https://www.motcmpb.gov.tw/>



Outstanding Innovation Award

Government Agencies

Economic Development Bureau, Kaohsiung City Government



Key Features

Kaohsiung City Government's Economic Development Bureau (EDB) launched the Invest Kaohsiung office to provide one-stop services, including land matching, administrative coordination, and investment subsidies, successfully attracting over NT\$850 billion in investments and promoting industrial upgrading and transformation. It is actively advancing the Southern Taiwan Semiconductor S Corridor, with the initiative drawing over 300 domestic and international enterprises to establish operations in the Asia New Bay Area Smart Technology Innovation Park. Notably, it successfully facilitated TSMC's investment in the Nanzih Technology Industrial Park, projected to create 11,000 job opportunities and generate over NT\$394 billion in output value. The EDB also supports startups in integrating into the supply chain, generating over NT\$870 million in business opportunities since 2022. These efforts enhance industrial AI innovation and strengthen overall competitiveness. Continuing to drive sustainable industrial transformation, it launched the nation's first Manufacturing Industry Carbon Management Manual and the Net Zero and Green Energy Integration Platform. It is creating an innovative industrial park centered on green fintech, collaborating with enterprises to jointly advance into a new era of net-zero sustainable development.



Organization Profile & Contact Information

Core Business / Mission

- Be in charge of drafting of industrial development policies, survey and analysis of industrial economic information, mobilization of goods and materials, development of local industries, and guidance and assistance of business operation.
- Be in charge of manufacturing industry, management of and guidance and assistance for industries and mining, correction of factories, guaranteed transaction registration of moveable properties, planning and review of land for industrial use, guidance and assistance for development and management of industrial districts, and services for firms in industrial parks.
- Be in charge of planning of business solicitation, local and overseas business solicitation and marketing, and provision of investment services to firms.
- Be in charge of management and planning of the markets operated by the government and the private sector, handling of objects on the ground of construction land, and the planning, registration, certificate issue and management affairs of vendors.

Establishment Date	2009-01-01
Head of Institution	Tai-Hsiang, Liao
Number of Employees	296
Main Products / Services	Promote economic development / Promotion of industrial service / Industrial services and assistances / Promote MICE industry
Certifications / Awards	<ul style="list-style-type: none"> 2024 WITSA ICT Excellence Award (Start-Up Ecosystem Award) 2023 MUSE Design Awards (Silver Winner) 2022-2023 MUSE Creative Awards (Platinum Winner)
Address	9 F., No. 2, Siwei 3rd Rd., Lingya Dist., Kaohsiung City 802721, Taiwan (R.O.C.)
Tel	886-7-336-8333#2153
Website	https://edbkgc.kcg.gov.tw/



“

Guiding Philosophy

Committed to transforming Kaohsiung into the most business- and talent-friendly smart technology city, we place customer needs at the heart of our service design. By shifting from a passive to a proactive approach, we offer one-stop, comprehensive investment services with dedicated personnel assigned to each project.

— Tai-Hsiang, Liao, Director-General —

”

Outstanding Innovation Award

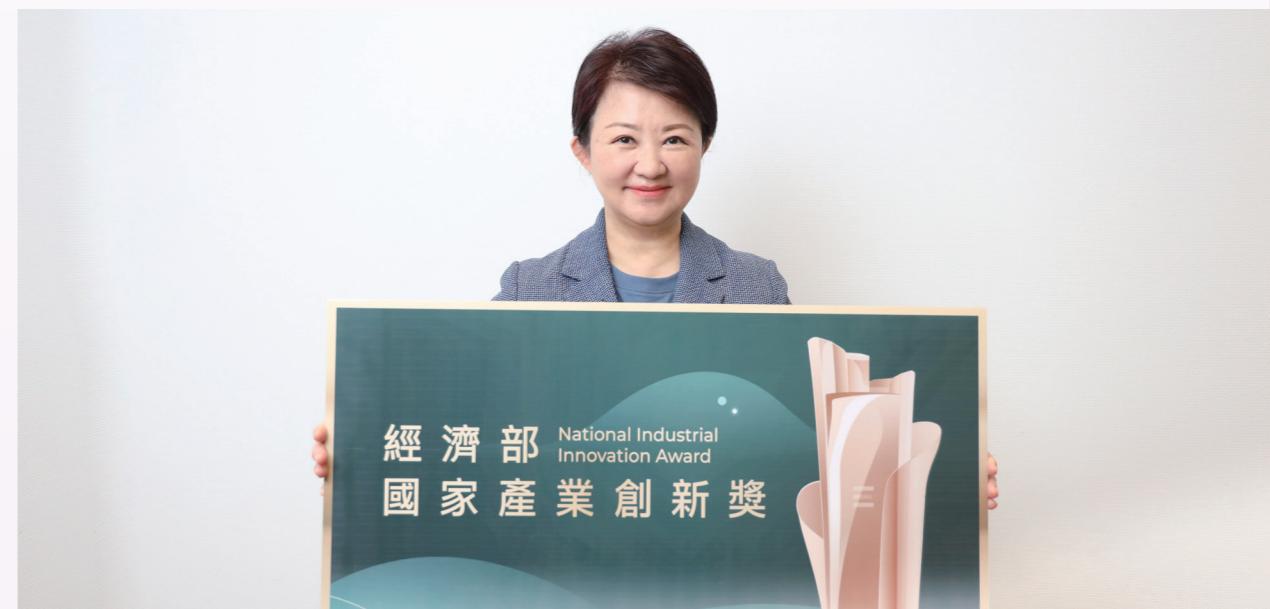
Government Agencies

Economic Development Bureau, Taichung City Government



Key Features

The Taichung City Government's Economic Development Bureau (EDB) launched the Festival Economy Trilogy, a series of events that successfully boosted local economic activity. By integrating popular events like the Taichung Shopping Festival and the Hot Pot and Grill Festival and introducing the Taichung Pass (TCPASS) digital platform, with features such as online prize redemption, cloud invoice integration, and electronic vouchers, the initiative significantly improved citizen engagement and convenience. The platform has amassed 2.8 million downloads and 1.7 million registered members, while earning prestigious honors such as the WITSA ICT Excellence Award and other global recognitions. These achievements have significantly elevated Taichung's image as a smart city and strengthened its tourism brand. The EDB is actively driving the growth of the food and beverage, accommodation, and souvenir sectors. In 2024, related events generated a national output value of NT\$72.2 billion, including over NT\$52.5 billion for Taichung City, which played a key role in supporting the livelihoods of small and medium-sized enterprises and local vendors. Internationally renowned hotel brands such as Kempinski and Marriott have established a presence in Taichung, with total investments exceeding NT\$25 billion and the creation of over 110 job opportunities. They significantly boost the competitiveness of Taichung's tourism and service industries. It is advancing industrial chain upgrades through a smart economy model to continuously propel Taichung's economic growth and enhance its internationalization vision.



“

Guiding Philosophy

"We aim to build a livable, business-friendly, and internationally competitive Taichung by attracting investment to expand the industrial landscape and strengthening economic momentum through innovative development, while fostering the co-prosperity of large enterprises and micro-economies."

— Ellis F.Y. Chang, Director-General —

”

Organization Profile & Contact Information

Core Business / Mission

Industrial and commercial planning and development / Investment promotion and coordination/Industrial management / Industrial park development and management / Commercial management / Public utility management / The management of retail markets / Industrial and commercial registration

Establishment Date

2010-12-25

Head of Institution

Ellis F.Y. Chang

Number of Employees

166

Certifications / Awards

- 2024 APSAA
- 2023 WITSA ICT Excellence Award

Address

5F, No. 99, Sec. 3, Taiwan Blvd., Xitun Dist., Taichung City 407610, Taiwan (R.O.C.)

Tel

886-4-2228-9111#31001

Website

<https://www.economic.taichung.gov.tw/>



Innovative Trailblazer Team Award

Enterprise Initiatives

Hermes Testing Solutions Inc. Advance Probing Development



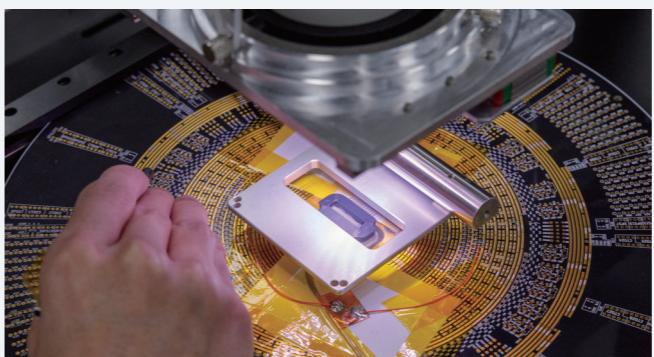
Key Features

I Probing System for Discrete Wafer

The Advance Probing Development team at Hermes Testing Solutions Inc. (hereinafter referred to as "HTSI") has pioneered an innovative probing system for discrete wafers, integrating micro-motion mechanisms and an upward-probing design. This breakthrough enables wafer testing on suspended wafer structures, breaking through the constraints of traditional methods and significantly boosting test yields to over 90%. The achievement highlights HTSI's exceptional strength in technological R&D. This innovation not only introduces a groundbreaking testing methodology for the entire wafer testing industry, but also opens up new application possibilities for future chip design. The integrated architecture combines a vacuum suction module, cantilever-type probe card, and intelligent data control technology to enable a fully automated testing process. Well-suited for OIS manufacturing and MEMS applications, it has secured invention patents in both Taiwan and the United States, successfully paving the way for expansion into international markets. Meanwhile, this innovation earned the 2020 Supplier Excellence Award from the manufacturer, establishing it as a successful model of how equipment providers can deliver reverse solutions that benefit both manufacturing and design processes.



Looking ahead, HTSI will leverage these achievements to strengthen collaboration with clients, gain deeper insights into market needs, develop more forward-looking solutions, and steadily advance toward becoming an industry benchmark by infusing Taiwan's semiconductor sector with greater innovation and growth opportunities.



“

Guiding Philosophy

If you're going to do it, do it your best. Keep innovating: the more you do, the more you achieve.

— Team Leader: Eric Hsu, Vice President —

”

Company Profile & Business Contact Information

Organization	Advance Probing Development / Hermes Testing Solutions Inc.
Establishment Date	2004-09
President	Steven Wang
Main Products / Services	Probe Card, Customized Products, Engineering Service
Certifications / Awards	<ul style="list-style-type: none">• 2020 Supplier Excellence Award• National Industrial Innovation Award
Address	9F, No. 18, Puding Rd., Hsinchu City, Taiwan, R.O.C.
Tel	886-3-583-5688
Website	https://www.hermes-testing.com.tw



Innovative Trailblazer Team Award

Enterprise Initiatives

Taiwan Semiconductor Manufacturing Company System and Chip Design Solutions Development Division



“

Guiding Philosophy

Our team's mission is to help customers achieve product differentiation through world-class 3DIC technology and ground-up innovation, while partnering collaboratively to generate new growth momentum.

— Team Leader: Frank Lee, Senior Director —

”

Key Features

Creating a Global 3DIC Ecosystem Alliance to Unleash Semiconductor Innovation Momentum

TSMC's System and Chip Design Solutions Development Division focuses on developing the world's leading 3DIC design reference platform aiming to improve 3DIC design integration efficiency and deliver critical solutions that accelerate the development of high-performance computing (HPC) applications. The development of the 3Dblox design language successfully overcame the EDA tool interoperability bottleneck and become a global 3DIC design standard adopted by over 25 international partners. In addition the innovative 3DIC thermal modelling technology addresses critical EDA thermal analysis challenges by maintaining accuracy while boosting computing performance. Through its Open Innovation Platform (OIP), the division integrates internal and external resources to deliver comprehensive 3DIC design solutions to support the rapidly expanding AI markets. To date, the team has amassed over 400 patents related to 3DIC design and established the 3DFabric ecosystem alliance that drives rapid growth in the HPC market. In line with TSMC's sustainability goals, the team also introduced a 16nm FinFET design education kit that cultivates over 2,000 talents annually across academia and industry, laying a strong foundation for the sustainable advancement of semiconductor technology.

Company Profile & Business Contact Information

Organization	System and Chip Design Solutions Development Division / Taiwan Semiconductor Manufacturing Company
Team Leader	Frank Lee
Address	8, Li-Hsin Rd.6, Hsinchu Science Park, Hsinchu, Taiwan 30078
Tel	886-3-563-6688#752-2981
Website	www.tsmc.com



Innovative Trailblazer Team Award

Enterprise Initiatives

Taiwan Semiconductor Manufacturing Company Taichung Facility



“

Guiding Philosophy

By leveraging green innovative technologies, we drive sustainable development and are dedicated to achieving a zero-waste goal for a harmonious balance between economic growth and ecological preservation.

— Team Leader: Howard Ting, Director —

Key Features

Practice a green circular economy and move towards a zero-waste sustainable future

TSMC's Taichung Facility has successfully established a zero-waste manufacturing center that utilizes resource conversion technology to process waste on-site, eliminating the need for transportation outside the science park and significantly enhancing recycling efficiency. The resource regeneration system was expanded from 4 to 30 units, with the waste recycling rate increased to 96%. This advancement reduces the annual procurement of new chemical liquids by 24,000 metric tons and saves approximately NT\$1.5 billion in environmental costs. TSMC has maintained a landfill rate below 1% for 13 consecutive years and, in 2023, earned the UL 2799 Platinum certification, which establishes it as the highest-level green manufacturing benchmark in the global semiconductor industry. Through its semiconductor green supply chain, TSMC actively promotes the creation of circular economy demonstration sites in science parks and works with industry partners in jointly achieving sustainability goals. TSMC's Taichung Zero Waste Manufacturing Center reduces carbon emissions by over 40,000 tons annually. Over the past five years, it has actively promoted the circular economy through seminars, engaging more than 5,000 participants and driving the semiconductor industry toward low-carbon, sustainable development.

Company Profile & Business Contact Information

Organization	Taichung Facility / Taiwan Semiconductor Manufacturing Company
Team Leader	Howard Ting
Address	1, Xinkel Rd., Central Taiwan Science Park, Taichung 407-728, Taiwan, R. O. C.
Tel	886-3-568-6688
Website	https://www.tsmc.com/chinese



Innovative Trailblazer Team Award

Enterprise Initiatives

MediaTek Inc. Next Generation Satellite Communication R&D Project



Key Features

MEDIATEK Next Generation Satellite Communication Technology: Leading International Standard and Industrial Initiatives

MEDIATEK's Next Generation Satellite Communication R&D Project successfully launched the world's first 5G NTN smartphone and led the commercialization of 5G Narrowband NTN technology. This enables direct connectivity between mobile phones and satellites, and expands application scenarios across both low-earth orbit and geostationary orbit satellite. The team spearheaded the development of the 3GPP 5G NTN international standards, accumulating 14 patented technologies and breaking market monopolies through an open standards strategy. At the same time, it is advancing 6G NTN research and development to lay a solid foundation for next-generation communication. This technology accelerates the integration of satellite communication into the mainstream consumer market, unlocks new opportunities across the supply chain, and advances the global presence of Taiwan's communications industry. Leveraging its strengths in chip manufacturing and technological innovation, MediaTek is driving the convergence of mobile and satellite communications to expand its global market share. This technology has been expanded into areas such as IoT, drones, and autonomous vehicles, enhancing the technological competitiveness across diverse industries.



“

Guiding Philosophy

This is a successful story about how Taiwan's local innovation can change the world, how persistent R&D exploration eventually finds the bright path, and how to lead the global ecosystem via complicated coordination.

— Team Leader:

I-Kang Fu, Senior Director of Technology —

”

Company Profile & Business Contact Information

Organization	MEDIATEK Inc.
Establishment Date	1997-05-28
Team Leader	Ming-Kai Tsai, Chairman
Main Products / Services	Systems-on-chip for smartphones, smart homes, AI PCs, high-performance computing, automotive, AI data centers, utilizing the latest technology such as AI, 5G/6G, and Wi-Fi 7/8
Certifications / Awards	Interbrand's "Best Taiwan Global Brands," Newsweek's "World's Most Trustworthy Companies 2024" and Forbes' "World's Best Employers 2024"
Address	No.1, Dusing 1st Rd., Hsinchu Science Park, Hsinchu City 300, Taiwan, R.O.C.
Tel	886-3-567-0766
Website	https://www MEDIATEK.com/



Innovative Trailblazer Team Award

Enterprise Initiatives

E.SUN Commercial Bank

E.SUN Commercial Bank Intelligent Banking

Division and Digital and Customer Strategy Division



Key Features

E.SUN Intelligent Platform for Promoting the Development of the Electronic Payment Industry

E.SUN Commercial Bank launched a comprehensive smart interactive platform that integrates AI with seven key financial services, including applications for TWD and foreign currency accounts, and credit cards. Utilizing API, the platform seamlessly connects with electronic payment partners, allowing customers to complete applications with a single information entry, streamlining tedious processes. The platform features built-in risk control models that utilize AI object detection and OCR image recognition to enhance review efficiency. This significantly shortens account opening and card approval times for an improved customer experience. E.SUN Bank, in partnership with FamilyMart and PChome, established AllWin+PAY, which has grown to 1.91 million members, over 140,000 transaction points, and a cumulative transaction volume of NT\$10.3 billion. Additionally, by partnering with international leaders such as Japan's NTT Data and Southeast Asian e-commerce company Razer, E.SUN Bank is expanding its cross-border payment services. It is the first partner bank of Japan's PayPay to support account and credit card binding in Taiwan. Leveraging AI-optimized risk control, each transaction is assessed for fraud within 0.1 seconds, and it intercepts over NT\$30 million in fraudulent transactions monthly. This safeguards customer assets while generating new value for the electronic payment industry.

Guiding Philosophy

The E.SUN team will continue to embrace innovation and digital technology, dedicated to addressing customers' practical needs while enhancing the convenience and security of financial services. We believe that innovation is not just a means to achieve our goals, but the core philosophy that drives our team.

— Team Leader: Jyh-Shing Roger Jang, CTO —

Company Profile & Business Contact Information

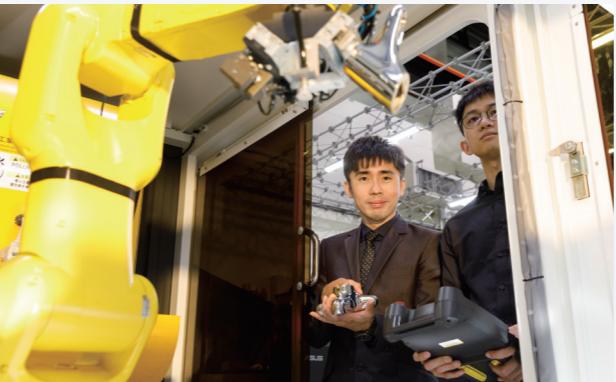
Organization	E.SUN Commercial Bank Intelligent Banking Division and Digital and Customer Strategy Division / E.SUN Commercial Bank
Establishment Date	1992-01-16 (E.SUN Commercial Bank)
CTO	Jyh-Shing Roger Jang
Main Products / Services	Artificial Intelligent Platform
Certifications / Awards	2025 Leader in Intelligent Banking Award by IDC
Address	11F, No. 117, Sec. 3, Minsheng E. Rd., Songshan Dist., Taipei City 105402, Taiwan
Tel	886-2-2175-1313
Website	https://www.esunbank.com



Innovative Trailblazer Team Award

Academic and Research Institution Initiatives

Industrial Technology Research Institute Mechanical and Mechatronics Systems Research Laboratories



Key Features

RobotSmith: Building up Digital Robotic Systems for Precision Grinding and Polishing

The Mechanical and Mechatronics Systems Research Laboratories of ITRI successfully developed RobotSmith, an AI-driven grinding and polishing robot that overcomes the precision limitations of traditional methods. It achieves virtual-physical integration and process optimization to offer a key solution for the digital transformation in the metal products industry. Applied in plumbing hardware, the technology includes voice-controlled operation and helps build a domestic supply chain, empowering robot makers to evolve into system integrators and bring their upgraded products to market. By implementing RobotSmith in nine key industries, e.g., bicycles, golf, and artificial joints, it has generated NT\$150 million in revenue and spurred NT\$910 million in industrial investment. The team has secured 10 patents and published 13 research papers, demonstrating technological leadership and breaking through foreign monopolies. By alleviating labor shortages and advancing intelligent automation for SMEs, the technology plays a vital role in driving manufacturing transformation and expanding market opportunities.

Guiding Philosophy

By leveraging key technologies in robotic grinding and polishing, we aim to enhance the global competitiveness of Taiwan's metal processing industry.

— Team Leader: Chih-Hsuan Shih, Manager —

Organization Profile & Contact Information

Organization	Mechanical and Mechatronics Systems Research Laboratories / Industrial Technology Research Institute
Establishment Date	2020-04
Team Leader	Chih-Hsuan Shih, Manager
Main Products / Services	EzSim, SmithOS, SmithAI
Certifications / Awards	ITRI Elite Award
Address	Bldg.22, 195, Sec. 4, Chung Hsing Rd., Chutung, Hsinchu, 31040, Taiwan, R.O.C.
Tel	886-3-591-3656
Website	https://robot-smith.com/



Innovative Trailblazer Team Award

Academic and Research Institution Initiatives

Food Industry Research and Development Institute Plant-Based Meat Product Research and Development Team



Key Features

Continuously Innovating Plant-Based Meat Manufacturing Technology, Targeting the Global Alternative Food Market

The Plant-Based Meat Product Research and Development Team at the Food Industry Research and Development Institute has developed advanced twin-screw extrusion technology for plant-based meat production, integrating ingredient selection, hardware design, and flavor development. This achievement breaks the industry's dependence on Japanese raw materials and fosters the localization of plant-based meat technology. Pneumatic oil-injection wet extrusion technology is used to create plant-based meat products with enhanced juiciness and a texture and flavor that closely resemble real meat. Applicable to both chicken and beef alternatives, this new technology has led to 22 patents at home and abroad, over 20 application cases, 28 successful technology transfers, NT\$14 billion in production value, as well as NT\$3.5 billion increase in plant-based meat exports. A patent transfer led to the creation of startup PreferrTech Bio, the first instance of a food-sector technology project being successfully spun off into a company. Its technology promotion has helped transform the domestic vegetarian industry from an import-oriented market to an export-driven one, expanding production value and business opportunities, accelerating the upgrade of the plant-based meat sector, and enhancing its global competitiveness.



Guiding Philosophy

Driven by innovation and committed to breakthroughs, we strive to ensure every R&D effort creates lasting value for the future. We are dedicated to advancing continuous innovation in the plant-based meat industry, working together to shape a new era of food that is healthier and more environmentally sustainable.

— Team Leader: Chih-Hong Tung, Deputy Director —



Organization Profile & Contact Information

Organization	Plant-Based Meat Product Research and Development Team / Food Industry Research and Development Institute
Establishment Date	1993-07-01
Team Leader	Chih-Hong Tung
Main Products / Services	Technical services, technology transfer, and consulting for plant-based meat
Certifications / Awards	<ul style="list-style-type: none">Innovation of the Year – 2021 Taiwan BIOScience and Technology Appreciation Award – 2022, Department of Industrial Technology, Ministry of Economic Affairs
Address	331 Shih-Pin Road, Hsinchu, 300 Taiwan R.O.C.
Tel	886-3-522-3191
Website	https://www.firdi.org.tw/



Innovative Trailblazer Team Award

Academic and Research Institution Initiatives

Taiwan Design Research Institute Service Innovation Division



Key Features

I Design for Public Service Innovation

The Taiwan Design Research Institute (TDRI) launched the Service Innovation Division as a quasi-policy lab to advance a design-driven approach to public service innovation. Its mission is to identify challenges, foster cross-disciplinary collaboration platform, and tackle complex issues across organizational and professional boundaries. Beginning with small-scale pilots, it has developed benchmark models and scaled successful outcomes across both public and private sectors, engaging 133 units and 2,745 designers. It has completed over 100 transformation projects and delivered 26 open-source designs, covering fields such as education, transportation, healthcare, tourism, industrial parks, social housing, elections, public fire safety equipment, and public pictograms system. Beyond earning domestic and international accolades and media coverage, its initiatives have influenced government agencies to amend relevant regulations. In 2023, it secured NT\$230 million in investment, produced more than fourfold economic returns, and achieved NT\$1.05 billion in output value, highlighting the commercial viability of public service innovation.



Guiding Philosophy

In response to public policy challenges such as climate change, environmental sustainability, an aging society with declining birthrates, and the widening wealth gap, the Service Innovation Division continues to play an active role as a vital platform between the public and private sectors, and empowers design to create meaningful social and public impact.

— Team Leader: Nina Ay, Vice President —

Organization Profile & Contact Information

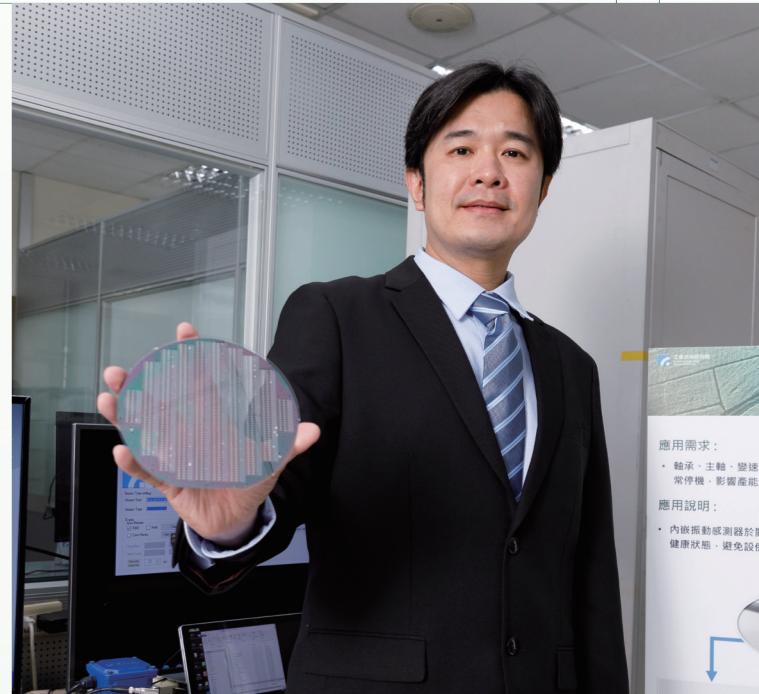
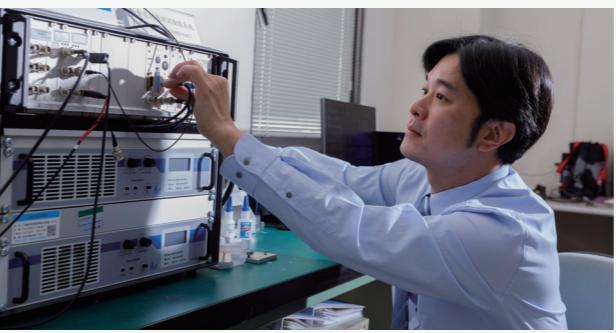
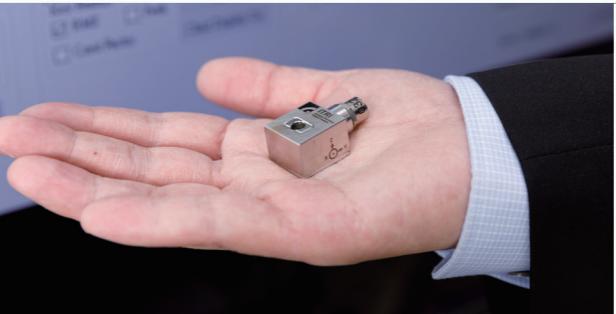
Organization	Service Innovation Division / Taiwan Design Research Institute
Establishment Date	2003-12-25
Team Leader	Nina Ay
Main Products / Services	Driving Public Service Innovation
Certifications / Awards	Good Design Award, iF Design Award, Red Dot Design Award, Golden Pin Design Award, etc.
Address	No.133, Guangfu S. Rd., Xinyi Dist., Taipei City 11072, Taiwan
Tel	886-2-2745-8199
Website	https://www.tdri.org.tw/zh-TW



Innovative Elite Award

General Individual Category

Smart Sensing & Systems Technology Center, ITRI Chung-Yuan Su Division Director



Key Features

Dr. Chung-Yuan Su has made significant contributions to industrial sensing technology, successfully developed the first Taiwan design and manufactured smart vibration sensors. This breakthrough has broken foreign technology monopolies, and helped Taiwan manufacturing industry to enter high-end markets, such as aerospace and automotive, and advanced the goal of localized production. The key technologies he developed have secured over 10 domestic and international patents, been adopted by over 50 enterprises, and transferred to companies including IC design house and machine manufacturers accelerating technology diffusion and advancing smart manufacturing development. He led the world in developing monolithic-integrated MEMS multi-axis inertial components, which were technology transferred to Taiwan IC design house. He has obtained 18 related patents and won ITRI R&D awards multiple times. He led a team in developing an intelligent ball screw feeding system that achieved a 100% backlash detection rate. The technology was transferred to industry, facilitating new business ventures and expanding the smart manufacturing landscape. He also promoted a sensing technology service platform and established the first pilot production line for the industrial sensor and testing/verification environment compliant with international standards. By linking sensor developers, system service providers, equipment suppliers, and manufacturers, he has also constructed a comprehensive industrial sensing ecosystem—based on the foundation for leveraging self-developed sensing technology to create a new blue ocean in AI-driven manufacturing.

“

Guiding Philosophy

Success is built on relentless effort and perseverance, while failure is merely a stepping stone on the path to achieving it. Stay optimistic and courageous in the face of challenges, fulfill your mission at all costs, dare to innovate, and stay grounded and practical. Your dreams will come true through your unwavering efforts.

— Chung-Yuan Su, Division Director —

”

Resume

Education

- Ph.D. National Cheng Kung University (2005-2010)
- M.S. National Cheng Kung University (2003-2004)

Experience

- Division Director, Smart Sensing & Systems Technology Center, ITRI (2022.06-present)
- Manager, Microsystems Technology Center, ITRI (2016-2022)
- Deputy Manager, Microsystems Technology Center, ITRI (2014-2016)
- Engineer, Microsystems Technology Center, ITRI (2011-2014)
- Postdoctoral Fellow, Department of Mechanical Engineering, NCKU (2010-2011)

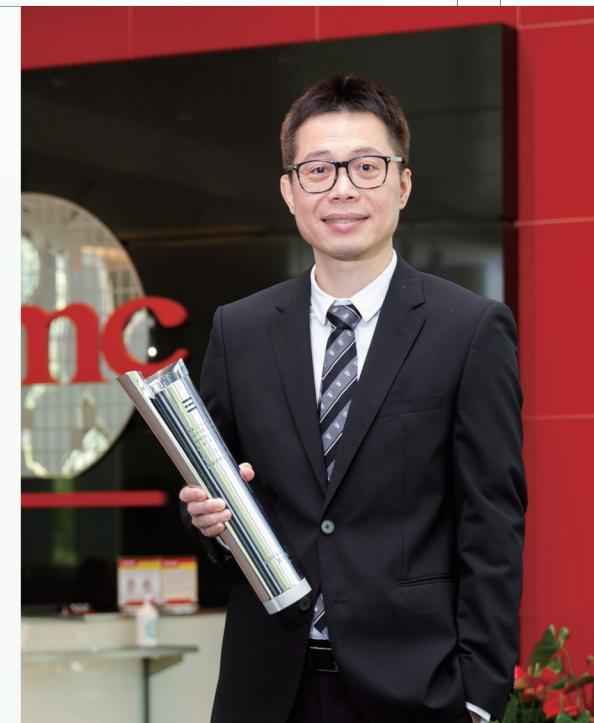
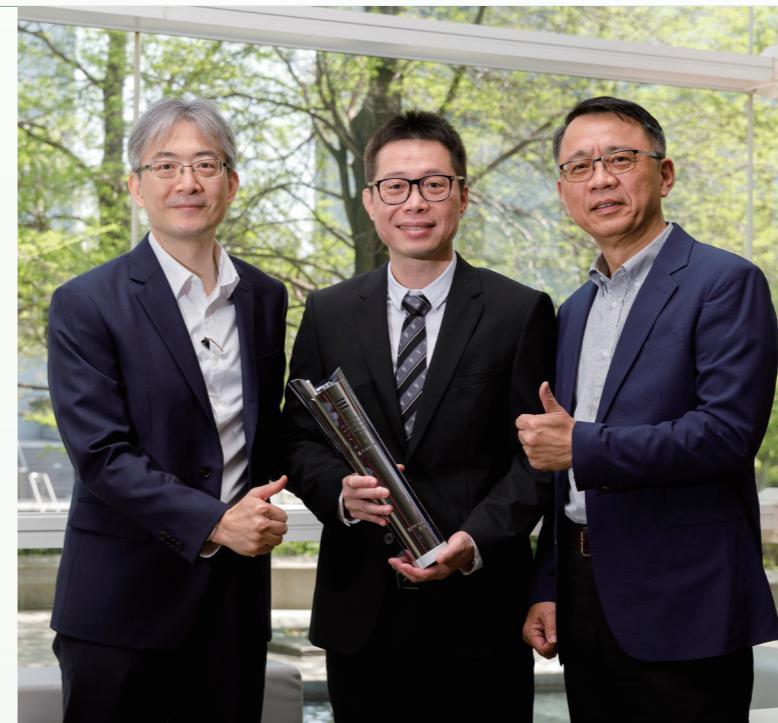
Awards

- Outstanding Engineer Award, Chinese Institute of Engineers (CIE), 2024
- Technology Development Programs-Industrial Technology Innovation Award, The Ministry of Economic Affairs (MOEA), 2023
- Best Project Quality Award, ITRI, 2023
- Industry Contribution Award, ITRI, 2017,2022-2023

Innovative Elite Award

General Individual Category

Taiwan Semiconductor Manufacturing Company Che-Cheng Chang Deputy Director



Key Features

Che-Cheng Chang has been deeply engaged in semiconductor etching technology, driving three revolutionary innovations that have enabled TSMC to achieve significant breakthroughs in advanced manufacturing processes. By introducing advanced etching techniques and optimizing the manufacturing environment, he significantly improved production yield and performance, and effectively addressed critical electrical performance challenges. By overcoming nanostructure processing limitations, pulsed plasma technology has led to substantial improvements in wafer yield for the 5 nm manufacturing process. A multiple recipient of the TSMC's Golden Trade Secret Award, he has filed more than 600 international patents for the company. In 2021, he founded the Etching Technology Committee, has since created 198 training courses in technology and management, and trained 143 technical supervisors, with his knowledge-sharing initiatives impacting tens of thousands. In collaboration with 8 universities, he has trained nearly 3,000 students and actively contributed to talent development in the industry. Under his leadership, his team overcame the technical hurdles of advancing from 7nm to 2nm process. In 2024, this achievement enabled clients to bring their products to market a year early, creating economic value of over NT\$100 billion.



Guiding Philosophy

Innovation is the courage to explore the unknown and the determination to challenge the status quo! Within every difficulty lies a new opportunity; from every failure, even greater ideas can emerge. Only through continuous innovation can we build a better future. Believe in your creativity and become the force that transforms the world.

— Che-Cheng Chang, Deputy Director —



Resume

Education

- Ph.D. in Material, National Tsing Hua University (2004-2009)
- M.S. in Physics, National Defense Duty, Academia Sinica (2002-2004)
- M.S. in Physics, National Chung Cheng University (2000-2002)

Experience

- TSMC, Deputy Director, 2nm/A14 GAA etch
- TSMC, Front-End Etch, Dept. Manager, 4/3nm FinFET process
- TSMC, Back-End Etch, Manager, 7/5nm FinFET process

Awards

- US Patent X 363, total Global Patent X 647
- TSMC Trade Secret 204 cases
- TSMC Prolific Inventor Award
- TSMC Outstanding Award for Artificial Intelligence and Digital Transformation Project
- TSMC Special Contribution Award for Semiconductor Intellectual Property (2014-2016)

Innovative Elite Award

General Individual Category

Taiwan Semiconductor Manufacturing Company Ryan Chia-Jen Chen Director, TSMC



Key Features

Ryan Chia-Jen Chen has led innovations in semiconductor etching, propelling breakthroughs in advanced process technology. He was the first to develop high-k metal gate replacement structure etching, which significantly improved product design flexibility. He led microfabrication advancements that enabled process scaling ahead of EUV readiness, gaining an advantage in technological competition. His pioneering metal gate etching technology has been successfully applied to the latest manufacturing processes, securing TSMC's leading position in the industry. Furthermore, 3D nanosheet SiGe etching technology has demonstrated a significant yield improvement and is now in the production readiness stage, which reinforces the company's leadership in the global market. With a portfolio of 254 patents, 144 of which are U.S. patents, he has been honored with numerous company awards for his contributions. He has spearheaded trade secret registration efforts within the company to strengthen intellectual property protection. He facilitated the establishment of R&D centers by multiple international equipment manufacturers in Taiwan, driving investment, collaboration, and boosting Taiwan's semiconductor competitiveness.



Guiding Philosophy

Innovation is the ability to see opportunity where others see problems.

— Ryan Chia-Jen Chen, Director, TSMC —

Resume

Education

- M.S. Oregon State University (1994-1997)
- B.S. Tunghai University (1988-1992)

Experience

- Director, TSMC (2022-present)
- Deputy director, TSMC (2017-2021)
- Manager, TSMC (2006-2016)
- Principle engineer, TSMC (2002-2006)
- Senior engineer, Maxim Integrated (1999-2002)
- Engineer, WaferTech (1997-1999)

Awards

- Prolific inventor, TSMC (2022)

Innovative Elite Award

General Individual Category

Information and Communication Research Laboratories, ITRI Pang-An Ting General Director



Key Features

Pang-An Ting pioneered the development of Taiwan's first WLAN 802.11 and 3G WCDMA baseband chips, significantly promoting self-reliance in wireless communications. Leading innovations in 5G ORAN micro-cell base stations and energy-efficient private network management, he disrupted international manufacturer monopolies and earned Gold in the 2023 Edison Awards. He led his team in completing validation of direct-to-handset orbital satellite connectivity, positioning Taiwan as a global competitor in 6G and satellite communications, and received the 2024 R&D 100 Award. He has promoted R&D across Wi-Fi, 5G, 6G, and satellite technologies and expanded his team to hundreds of members. His team has accumulated 424 projects and 1,129 patents, with 125 projects and 469 patents adopted as international standards, propelling Taiwan into the ranks of the world's top 30 in 5G patent holdings. He facilitated the establishment of 5G startups such as Atayalan and Synergy Design, with 124 cases of technology transfers to domestic enterprises valued at NT\$560 million, driving a total investment of NT\$6.6 billion. He has assisted companies such as Compal, Pegatron, and Wistron in entering the 5G market, resulting in profit growth of 15% to 30% and the establishment of a comprehensive 5G base station ecosystem. In 2024, he was instrumental in hosting Taiwan's inaugural Open RAN Summit, a significant step forward in positioning the nation in the global 6G landscape.

“

Guiding Philosophy

“The heavens are always in motion, and a great man should constantly strive for self-improvement.” — Embrace continuous growth through dedicated practice! Stay true to your original intention. Avoid impatience and resist the urge to follow the crowd. Continuously break through bottlenecks and dedicate years to sharpening your skills. Only then can you carve your own path, gain clearer insight, and create a better future through the ongoing interplay of wisdom and action.

— Pang-An Ting, General Director —

”



Resume

Education

- EMBA, National Chiao Tung University (2017)
- Ph.D., Institute of Electrical Engineering, National Tsing Hua University (2006)
- M.Sc., Institute of Electrical Engineering, National Tsing Hua University (1994)
- B.Eng., Institute of Electrical Engineering, National Taiwan University of Science and Technology (1991)

Experience

- Vice President and General Director, Information and Communications Research Laboratories, ITRI (2024-present)
- General Director, Information and Communications Research Laboratories, ITRI (2022-present)
- Council Director of Taiwan Association of Information and Communication Standards (TAICS) (2024-present)
- Council Director of Taiwan Society for Precision Engineering (2022-present)
- President, ACX Corp. (2010-present)

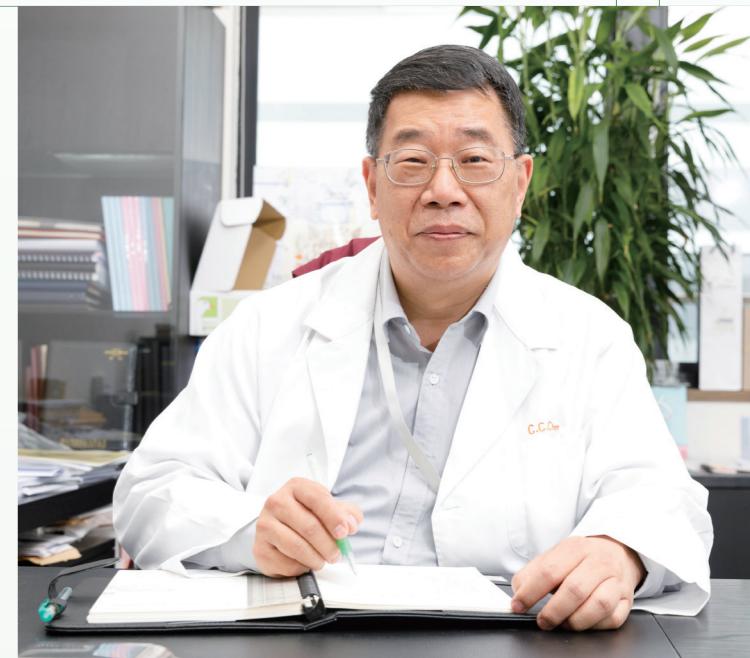
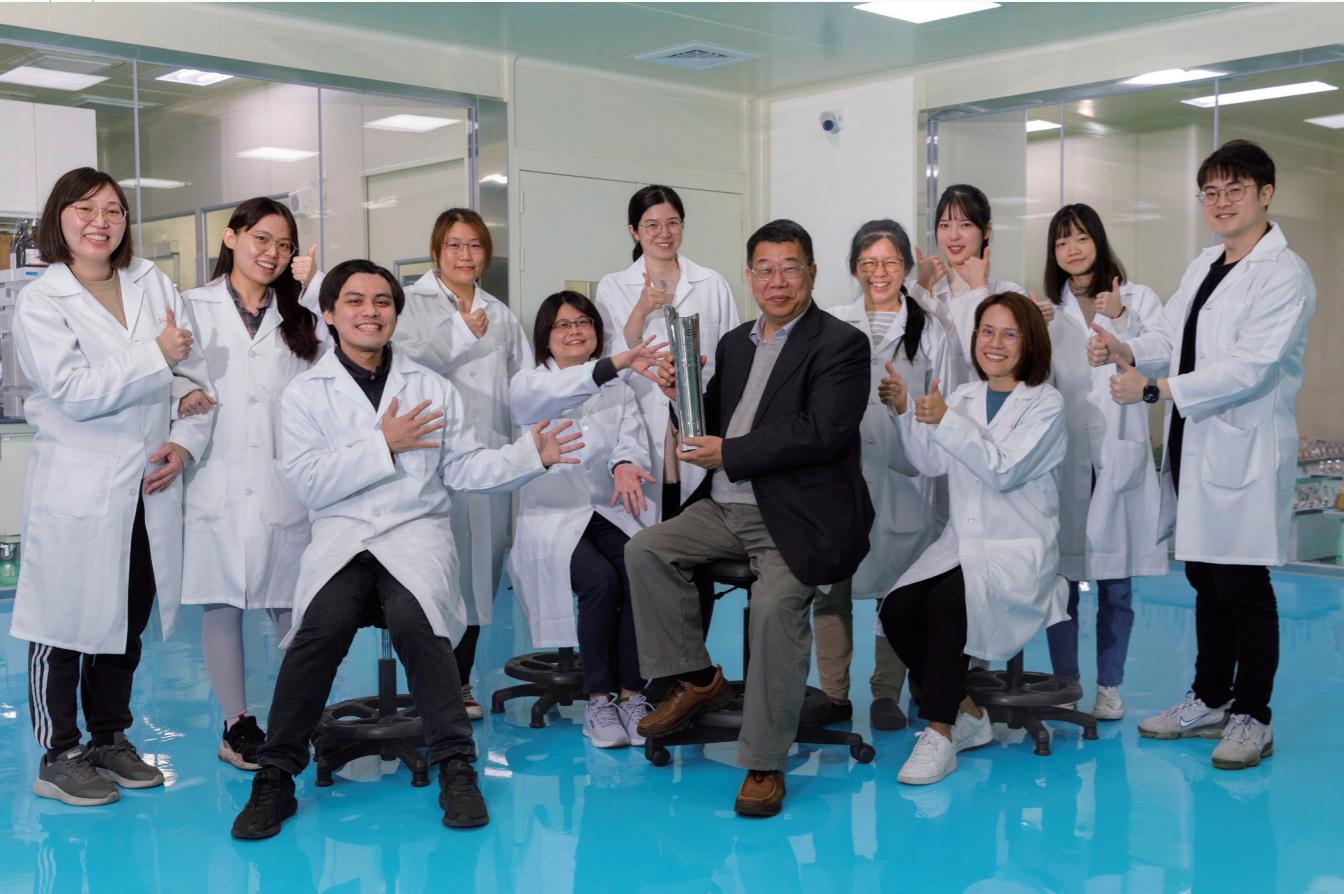
Awards

- R&D Individual Contribution Award, Ministry of Economic Affairs, 2024
- Outstanding Research Award, ITRI, 2024, 2023, 2018, 2014, 2011, 2009, 2004
- Industrialization Contribution Award, ITRI, 2024, 2022, 2012, 2003, 2002
- M2M Entrepreneurial Company of the Year, Frost & Sullivan, 2015
- Intel Award, APEC Accelerator Network Summit, 2014

Innovative Elite Award

General Individual Category

Grape King Biotech Research Institute Chin-Chu Chen General Manager



Key Features

Under the leadership of Chin-Chu Chen, Grape King Bio successfully transitioned from a conventional pharmaceutical manufacturer to a biotechnology enterprise specializing in health foods, with biotech products contributing 90% of total revenue. By developing core microbial fermentation technologies, he helped establish the world's first large-scale *Antrodia camphorata* production enterprise and optimized *Ganoderma lucidum* fermentation processes, cutting costs to under one-third that of competitors and greatly enhancing market competitiveness. He played a key role in establishing three biotech factories and 102 fermentation tanks, providing OEM services to both academia and industry. He successfully achieved mass production of over 60 types of industrial microbial fermentations, published 290 scientific journal articles (including 146 in SCI-indexed journals), conducted 68 studies related to *Antrodia camphorata*, and authored four books. He was the first to discover the eye-protective effects of cicada flower, a fungus, and is the world's most published researcher in this field. Thanks to him, the company is the sole global supplier of Lion's Mane mushroom mycelium and holds the highest number of published studies on its neuroprotective effects. Holding 234 patents, he has made remarkable contributions in shaping the global biotechnology landscape. By fostering partnerships between industry, government, academia, and research, he has led the implementation of 300 industry-academia collaborative projects. He has won 284 awards at international invention exhibitions and completed 11 government technology projects. Notably, the *Antrodia camphorata* project has achieved an annual production turnover of NT\$1.6 billion, further advancing Taiwan's biotech industry on the global stage.

“

Guiding Philosophy

Since childhood, my father has always taught me: "As long as you work hard, no one will look down on you," and to "think ahead" before taking action. I've always taken these words as a source of self-motivation, and I like to share them with others. Finally, I recall the words of encouragement from our founder and President, Tseng Shui-chao: "Keep it constantly in mind." I believe this embodies the ideal mindset for running a business.

— Chin-Chu Chen, General Manager —

”

Resume

Education

- Ph.D. in Life Science, National Tsing Hua University (2001-2007)
- M.S. National Taiwan University (1984-1986)
- B.S. National Chung Hsing University (1980-1984)

Experience

- Joint Professor, National Sun Yat-sen University (2025-present)
- Adjunct Professor, National Taiwan University, Shih Chien University, and Chung Yuan Christian University (2018-present)
- Director and Vice General Manager, Biotech Research Institute, Grape King Bio Ltd (1990-present)

Awards

- Biotechnology and Biochemical Engineering Society of Taiwan (BEST) Award, 2023
- Agricultural Chemistry Society of Taiwan Academic Honor Award, 2022
- Presidential National Quality Award for Excellence in Business Award, 2018

Innovative Elite Award

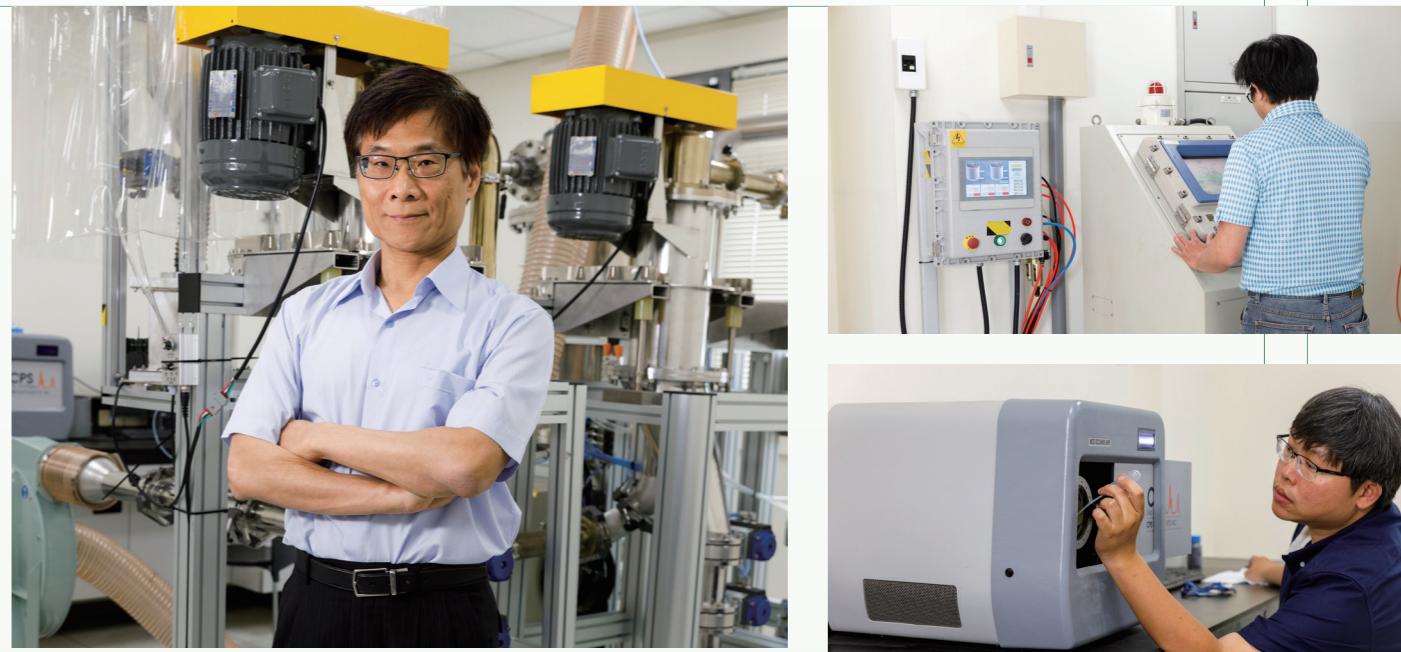
General Individual Category

National Cheng Kung University Chuan-Pu Liu Chair Professor



Key Features

Dr. Chuan-Pu Liu specializes in silicon-based anode materials for lithium-ion batteries and the circular economy of silicon waste. He has successfully led the establishment of two startups developing raw materials for high-purity (>5N) silicon carbide crystal growth, and expanded applications into coatings and high-purity silicon carbide abrasives. He developed a low-cost nano-sized silicon powder with small particle size and high reaction efficiency, suitable for use in compact hydrogen power generation systems, which have a positive impact on the energy storage and green energy industries. Building a globally unmatched supply chain for lithium-ion battery silicon anode materials, he is promoting battery localization for Taiwan's defense, space, and electric vehicle sectors, and achieving breakthroughs in high-capacity, high-power, and long-lifespan technologies. Having mentored multiple students who now teach at universities at home and abroad, and by recruiting NCKU students into startups, he injects new vitality into the sector and fosters the growth of Taiwan's green energy industry and silicon-based materials technology.



“

Guiding Philosophy

Research must continuously innovate, boldly confront challenges, fear no difficulties, and stand shoulder to shoulder with the world's leading technologies. When faced with setbacks, we should continue to reflect and learn, while staying true to our original intention. Today marks a new beginning. And we will continue to push boundaries and help elevate Taiwan's technology onto the global stage.

— Chuan-Pu Liu, Chair Professor —

”

Resume

Education

- Ph.D. in Materials Science, University of Cambridge, UK (1995-1998)
- M.S. National Sun Yet-Sen University (1988-1990)
- B.S. National Tsing Hua University (1984-1988)

Experience

- Director, R&D office, National Cheng Kung University (2023-present)
- Chair Prof., National Cheng Kung University (2022-present)
- Distinguished Prof., National Cheng Kung University (2011-2020)
- Prof., National Cheng Kung University (2008-2011)

Awards

- K. T. Li Honorary Scholar, 2021
- Hou Jin-Dui Outstanding Honor Award – Materials Science Category, 2021
- 18th Xu Youxiang Science and Technology Paper Award – Green Technology Category, 2020
- "Engineering Professor" Award, Chinese Institute of Engineers, 2018
- Outstanding Research Award, Ministry of Science and Technology, 2015, 2018

Innovative Elite Award

General Individual Category

Ditmanson Medical Foundation Chia-Yi Christian Hospital,
Construction Engineering Room

Tsung-Mao Lin Director



Key Features

Tsung-Mao Lin is committed to innovative "three-safety" designs focusing on hospital environment safety, patient safety, and healthcare worker safety. His invention of the negative pressure X-ray booth protects radiographers from viral infections during imaging, safeguarding the health of both patients and staff. He continuously promotes energy-saving innovations in hospital buildings and equipment, having created Taiwan's only flexible modular operating room with radiant air conditioning. Through waste heat recovery design, he has reduced carbon emissions by 145,128.3 kilograms annually. The innovative fire smoke detection electric damper he developed has raised the bar for fire safety in hospital environments. In terms of energy conservation, carbon reduction, and environmental impact, his technological and managerial initiatives have enabled the hospital to save 3,718,300 kWh of electricity annually, reduce carbon emissions by 2,040.6 tons, and cut energy costs by NT\$11,426,000. His efforts have earned him 38 awards for environmental protection and energy conservation, 7 patents, 8 innovative device developments, and 18 published academic papers, evidencing his outstanding R&D capabilities. Beyond his innovations at the hospital, he is also dedicated to talent development, where he lectures at Min-Hwei College of Health Care Management and speaks at hospital association seminars. By advancing hospital construction technologies, he paves the way for safer, greener, and more efficient healthcare facilities.

“

Guiding Philosophy

Every innovative design is born from a need. Where there is need, there is continuous innovation. Going the extra mile for God's love.

— Tsung-Mao Lin, Director —

”



Resume

Education

- National Chiayi University/ Civil and Water Resources Engineering/ Master's degree (2007)

Experience

- Construction Engineering Room/ Director since (2018-present)
- Occupational Safety & Health Office/ Director (2013-2018)
- Environmental Engineering Room/ Director (1997-2013)

Awards

- Awarded the SNQ National Quality Mark by the Institute for Biotechnology and Medicine Industry - Surgical Building - Innovation in Safety and Energy Efficiency, 2023
- Received the National Healthcare Quality Award from the Joint Commission of Taiwan - New Trends in Smart Operating Room Safety, Energy Efficiency, and Comfort Environment, 2023
- Awarded Excellence Prize in Health Promotion Creative Project Selection by the Health Promotion Administration, Ministry of Health and Welfare, 2020

Innovative Elite Award

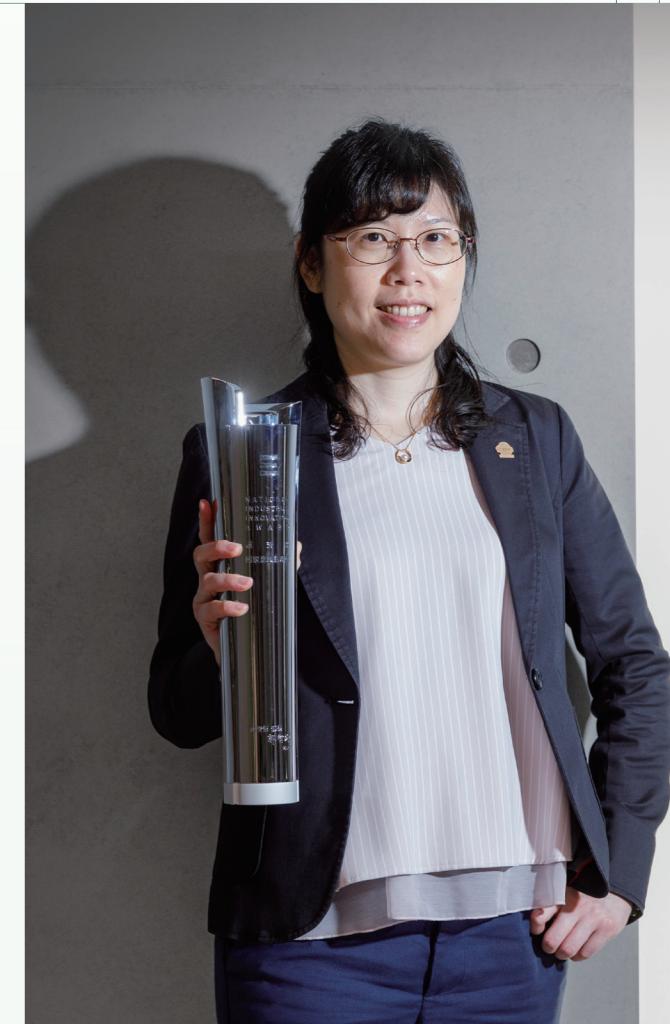
Female Category

Taiwan Semiconductor Manufacturing Company Hsun-ying Huang Deputy Director



Key Features

Hsun-Ying Huang successfully developed the world's first bulk-Si substrate mass-produced backside-illuminated (BSI) image sensors in 2009, which revolutionized image sensor technology by doubling optical performance and reducing costs by 33%, laying the groundwork for today's high-efficiency imaging systems. She pioneered the development of 0.11-micron aluminum-copper/copper hybrid back-end technology, which boosts transmission speeds to 1.0 Gbps and reduces component failure rates by over 50% through advancements in process and environmental control. The 12-inch copper-to-copper direct bonding technology she developed advances wafer stacking processes and accelerates the adoption of AI and high-performance computing. This innovation also drives progress in 5G, IoT, and automotive electronics markets. In the 5G domain, she led the R&D of 40nm RF SOI (silicon-on-insulator) technology. Through heat treatment and material modification, RF switch performance improved by 24%, and low-noise amplifier power consumption was reduced by 20%, significantly enhancing 5G RF module efficiency and supporting the growth of the packaging, testing, and infrastructure. With 122 domestic and international patents, she has been a key technology pioneer at TSMC. In 2023, she received the Outstanding Young Alumni Award during the 90th anniversary celebration of National Cheng Kung University. Thanks to her technological innovation and leadership, Taiwan's semiconductor technology continues to maintain a leading position in the global market.



Guiding Philosophy

Thinking innovatively and grounded in scientific knowledge, we enhance technical competitiveness and create a win-win future for TSMC and its customers.

— Hsun-ying Huang, Deputy Director —

Resume

Education

- M.S. National Cheng Kung University (2000-2002)
- B.S. National Cheng Kung University (1996-2000)

Experience

- Deputy Director, TSMC Fab14A (2024-present)
- Department Manager, TSMC Fab14A Process Integration Department (2017-2023)
- Manager, TSMC Fab14A Process Integration Department (2016-2017)
- Manager, TSMC CMOS Image Sensor Division (2014-2016)
- Manager, TSMC Fab6 Process Integration Department (2012-2014)

Awards

- Golden Tower and Innovation Award, Taiwan Continuous Improvement Activities, 2025
- Golden Tower Award, Taiwan Continuous Improvement Activities, 2023
- Outstanding Young Alumni Award, NCKU 90 Anniversary, 2023
- Golden Apple Award, tsmc Operations Idea Forum, 2017
- Golden Tower and Innovation Award, Taiwan Continuous Improvement Activities, 2016
- Red Award, tsmc Operations Idea Forum, 2016

Innovative Elite Award

Female Category

Taiwan Semiconductor Manufacturing Company Xiao-Meng Chen Director



Key Features

Xiao-Meng Chen led the early development of multi-layer metal composite wafer bonding technology, reducing the bonding pitch to 2 μm to secure a world-leading position for TSMC's CMOS image sensor technology. In advanced logic technology, she led the team of RD Yield Excellence Program division in developing innovative inline defect detection, analysis and massive multi-dimensional measurement, accelerating the 7nm process yield enhancement and shortening the R&D-to-mass production cycle. For 5nm technology, she led the team to successfully develop high-precision electron beam inspection classification with over 99% defect classification purity, significantly reducing manual intervention and speeding up R&D progress. Under her leadership, the team developed a start-to-finish MyYEP defect detection and data analysis platform, enabling robust support for 3nm process development. She holds over 100 worldwide patents. In addition to her technical achievements, she actively promotes the development and empowerment of women within the technology sector. She also serves in the Program Committee of Conference of Metrology, Inspection, and Process Control for the International Society for Optics and Photonics (SPIE), where she fosters the advancement of global inspection technologies and helps TSMC maintain its leadership in semiconductor inline inspection and yield improvement.



“

Guiding Philosophy

See beyond, create beyond

—Xiao-Meng Chen, Director—

”



Resume

Education

- PhD in Chemistry, State University of New York at Albany, USA (1998)
- M.S in Chemistry, State University of New York at Albany, USA (1993)
- B.S in Chemistry, Zhejiang University, China (1990)

Experience

TSMC:

- Director, RD Yield Excellence Program division (2013-present)
- Director, RD Specialty Process Module (2012-2013)

IBM(NY, USA):

- Senior Manager of Advanced Process Development & Senior Technical Staff Member(2007-2012)
- SOI-FEOL technology development manager (2003-2006)
- Engineer, Advisory Engineer, Senior Engineer (1998-2003)

Awards

- “Outstanding Technical Achievement Award”, in IBM, (for 90nm technology), 2005
- “Outstanding Technical Achievement Award”, in IBM, (for 45nm technology), 2010

Innovative Elite Award

Female Category

Biomedical Technology and Device Research Labs, ITRI Hui-Ling Chen Chief Operating Officer



Key Features

Hui-Ling Chen has dedicated over 20 years to the biomedical industry. Through her exceptional strategic planning and industry coordination skills, she has successfully bridged government, industry, and international resources to advance Taiwan's biomedical innovation and development. Dedicated to establishing a cross-sector collaboration platform for biomedical innovation, she facilitates the expansion of domestic biomedical startups through the integration of funding, technology, and market resources, and advances the convergence of IT and healthcare alongside strengthened partnerships between hospitals and vendors. She has facilitated connections with major international biotech companies, leading diverse collaborations such as AstraZeneca's establishment of Asia's first Future Healthcare Laboratory in Taiwan, dedicated to innovative lung disease research. She enabled the Taiwan-Janssen Project and established a research and development partnership with medical device giant Medtronic. In addition, she champions the establishment of national pavilions at major international exhibitions, guiding domestic startups to gain global exposure and fostering expanded international partnerships for Taiwan's biomedical sector.



“

Guiding Philosophy

The greatest meaning of life lies in fully experiencing all that comes your way—embracing the beauty of the world, staying present, fulfilling your mission, taking charge of your own path, and becoming a source of support and kindness to others.

— Hui-Ling Chen, Chief Operating Officer —

”

Resume

Education

- Professional Master's Program of Law in Business Administration, National Taiwan University
- Master of Business Administration, Stony Brook University, New York
- Bachelor of Arts, Foreign Languages and Literatures, Fu Jen Catholic University

Experience

- Chief Operating Officer, Biomedical Technology and Device Research Labs, Industrial Technology Research Institute (2023-Present)
- Division Director, Planning and Marketing Division, Biomedical Technology and Device Research Labs, Industrial Technology Research Institute (2019-Present)
- Director of Administration, CHO Pharma, Inc. (2014-2018)

Awards

- National Management Excellence Award, Chinese Professional Management Association, 2024
- Outstanding Manager Award, Chinese Professional Management Association of Hsinchu, 2023
- Intelligent Radio Frequency Ablation (iRFA), Bronze Edison Awards 2023 (Team Award)
- Intelligent Radio Frequency Ablation (iRFA), R&D 100 Awards 2023 (Team Award)

chnology and Device
oratories



Innovative Elite Award

Youth Category

Taiwan Semiconductor Manufacturing Company Jian-Yuan Su Deputy Director



Key Features

Jian-Yuan Su led his team in pioneering extreme ultraviolet (EUV) lithography technology, propelling the advancement of TSMC's 5nm process. By boosting the EUV light source energy to 300W and creating an automated photomask defect classification system, it decreased manual inspection efforts by 85%. By leveraging smart manufacturing and AI prediction technologies, he successfully reduced the EUV process rework rate by 60%, generating annual benefits of NT\$25 billion. Under his leadership, the team launched the EUV machine energy-saving initiative, cutting wafer power consumption in half and reducing mask nanometer-level dust contamination by 20 times, solidifying TSMC's worldwide lithography technology leadership. He developed an earthquake early warning system capable of predicting destructive seismic waves in advance to effectively minimize production risks. He has actively promoted the localization of the EUV supply chain and facilitated the integration of Taiwanese companies into the global semiconductor value chain. TSMC's innovative EUV hydrogen recovery system is expected to supply 70% of its green hydrogen demand and reduce costs by NT\$1.4 billion per year, exemplifying its commitment to ESG sustainability.



Guiding Philosophy

Innovative thinking not only brings the team together, but also fosters an engaging and fulfilling work environment while nurturing outstanding talent.

— Jian-Yuan Su, Deputy Director —

Resume

Education

- Ph.D. in Mechanical Engineering, National Taiwan University (2009-2013)
- B.S. National Tsing Hua University (2005-2009)

Experience

- Deputy Director, FAB 15B, TSMC (2025-present)
- Senior Manager, FAB 15B, TSMC (2023-2024)
- Manager, FAB 18A, TSMC (2018-2023)
- Section Manager, FAB 8, TSMC (2016-2018)
- Principal Engineer, MTC, TSMC (2013-2016)

Awards

- CSME Outstanding Mechanical Engineer Award, 2021

Innovative Elite Award

Youth Category

Taiwan Semiconductor Manufacturing Company Joseph Wang Manager



Key Features

Joseph Wang, who has overseen three generations of process technologies—10nm, 5nm, and 2nm—has led three globally pioneering technological breakthroughs. In 2017, he developed the first-generation full-tungsten metal interconnects, which were successfully implemented in the 10-nm process, enabling TSMC to secure key orders for the iPhone 8 and X series. In the 5nm process, he pioneered the track-based contact via structure and multi-level metal via structure, significantly reducing process complexity and enhancing device efficiency. During early mass production, defect density was more than 20% lower compared to the 7nm process. He successfully developed selective tungsten deposition for interconnects and all-tungsten contact vias for the 2nm process, which is expected to enter mass production in 2025. Over the years, the development of middle-of-line interconnects and via-related process technologies has resulted in 43 U.S. patents. He actively promotes talent development and cross-departmental collaboration by chairing weekly meetings with over 200 participants and offering technical training courses, resulting in a team promotion rate of 70%. He has consistently led advancements in cutting-edge manufacturing processes to enable TSMC to surpass global competitors in the 5nm era and drive Taiwan's semiconductor industry toward an output value of NT\$5 trillion, fortifying Taiwan's strong international competitiveness in the semiconductor sector.



“

Guiding Philosophy

The foundation of innovation lies in rich experience and deep understanding, combined with an open space for imagination, strong execution, and most importantly, a willingness to listen to different perspectives.

— Joseph Wang, Manager —



Resume

Education

- Ph.D. Institute of Electro-Optical Engineering, NYCU (2008-2013)
- B.S. Department of Photonics, NYCU (2004-2008)

Experience

- Manager, N2 integration division 3, TSMC (2023)
- Technical manager, N2 development division, TSMC (2020)
- Principle engineer, N5 development division, TSMC (2016)
- Principle engineer, N10 development division, TSMC (2013)
- Principle engineer, MTC, TSMC (2013)
- Visiting Scholar, Georgia Institute of Technology (2012)

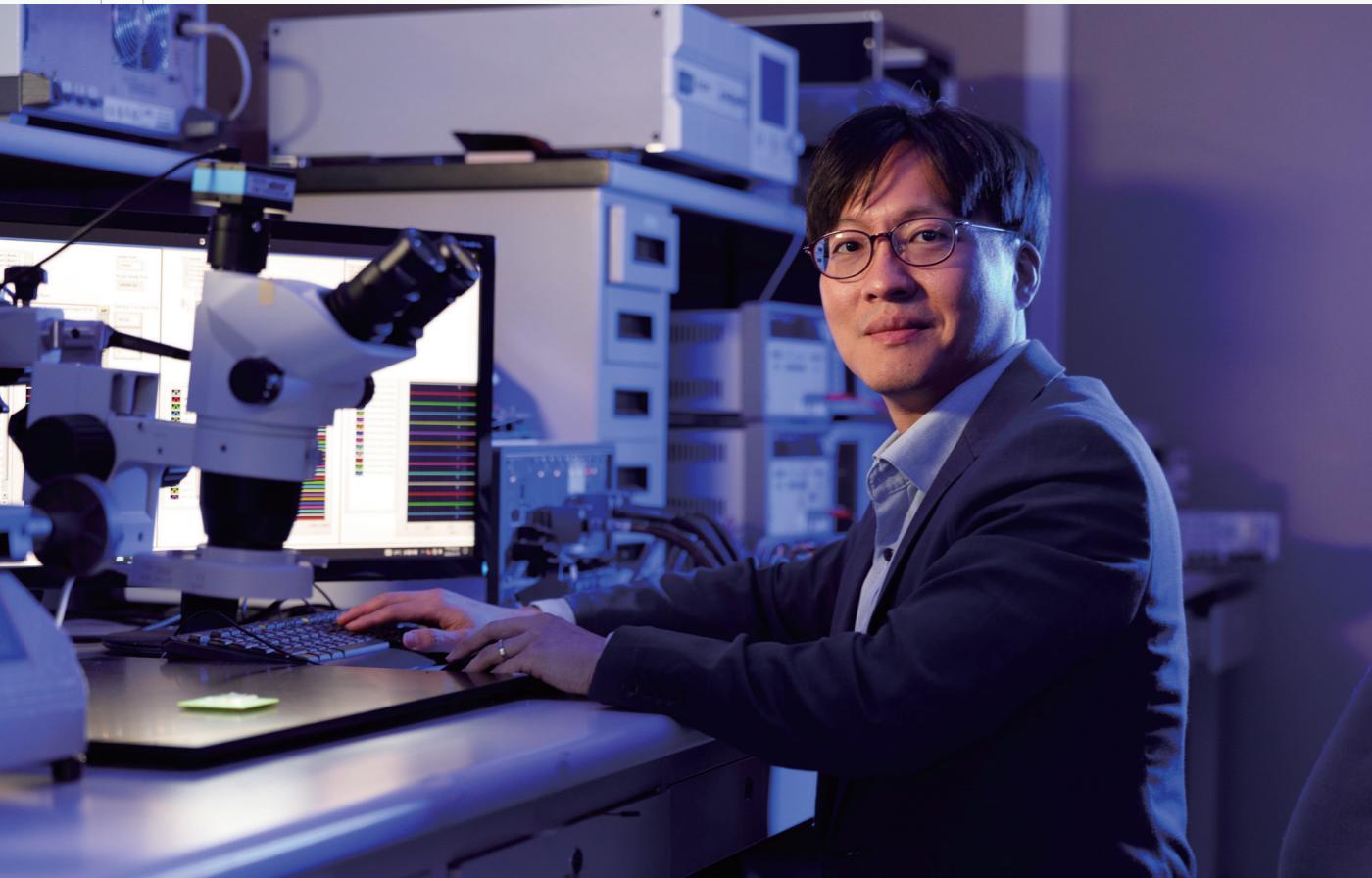
Awards

- TBC

Innovative Elite Award

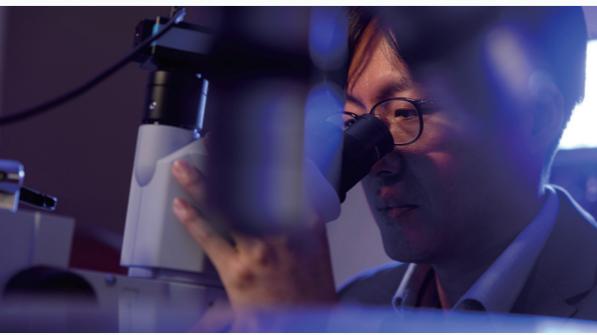
Youth Category

Taiwan Semiconductor Manufacturing Company Jian-Wei Su Manager



Key Features

Jian-Wei Su led his team to enhance the memory and energy efficiency of compute-in-memory (CIM) chips and developed the world's most energy-efficient, highly parallel in-memory AI chip. He has expanded the industry applications of CIM to areas such as Face ID, MCUs, and AI MICs, obtained 15 patents, and published 25 papers, including first-author ISSCC papers for four consecutive years, significantly advancing the development of CIM technology. He also developed in SOT-MRAM circuit, which achieved the world's fastest write and read speeds to lay a strong foundation for next-generation AI and memory technologies. Through the promotion of industry-academia-research collaboration, his team successfully completed key technology transfers and IP licensing, generating sustained revenue for the industry and further reinforcing Taiwan's core position in the global memory and CIM value chain. These R&D achievements have led to partnerships.



“

Guiding Philosophy

Innovation is not achieved overnight—it is a continuous process of breaking through bottlenecks, again and again. Implementing technology is a challenge. Real change comes only through constant communication and continuous problem-solving.

— Jian-Wei Su, Manager —

”



Resume

Education

- Ph.D., Department of Electrical Engineering, National Tsing Hua University (2018-2024)
- M.S., Department of Electronic Engineering, National Changhua University of Education (2014-2016)
- B.S., Department of Electronic Engineering, I-Shou University (2010-2014)

Experience

- Industrial Technology Research Institute (ITRI), Electronic and Optoelectronic System Research Laboratories (EOSL)
- Manager (2025 – Present) and Senior Engineer (2023 – Present)
- Deputy Manager/Project Deputy Manager/Engineer/Deputy Engineer (2016 – 2023)

Awards

- SEMI 20 UNDER 40 Award, 2025
- Outstanding Young Electrical Engineer Award-Chinese Institute of Electrical Engineering(CIEE), 2024
- Outstanding Young Engineer Award-Chinese Society of Mechanical Engineers (CSME), 2024
- Outstanding Young Citizen Award-China Youth Corps Hsinchu Committee, 2024
- TSIA Semiconductor Award-Taiwan Semiconductor Industry Association (TSIA), 2024

Industry-Academia Collaboration Award

National University of Tainan (NUTN)

Yaw-Shyan Fu Distinguished Professor and Dean of the College of Environmental Sciences and Ecology



“

Guiding Philosophy

Resources may be limited, but innovation knows no bounds. Through a circular economy, waste is transformed into valuable resources. With continuous exploration and innovation, technology and the environment can thrive together in harmony. Promoting the recycling and reuse of solar panels is our way of contributing to environmental sustainability. By working together with smart actions, we can build a greener future!

— Yaw-Shyan Fu, Distinguished Professor and Dean of the College of Environmental Sciences and Ecology —

Key Features

Dr. Yaw-Shyan Fu is dedicated to advancing solar panel recycling and circular economy technologies. He developed the world's first PV Circulator, an intelligent physical processing system that significantly improves the efficiency of solar panel recycling while reducing carbon emissions. In 2023, he executed the Ministry of Economic Affairs' Value Creation Program and successfully built a 30-meter-long fully automated mass production equipment, which incorporates AI to provide carbon tracing and material tracking, leading the industry in ESG requirements. He led the National Science and Technology Council's Solar Panel Material Recycling and Remanufacturing project, which successfully facilitated the transfer of over 30 patents to the startup TSGC Technologies, with total technology transfer valued at NT\$150 million. With the establishment of TSGC in the United States and dual operations in both the U.S. and Taiwan, the company now recycles 150 waste solar panels daily. By 2025, it aims to deploy 10 processing units, expected to reduce carbon emissions by up to 99% compared to conventional incineration or landfill disposal. He actively fosters industry collaboration by establishing the Solar Cell Circular Economy Industry Alliance to connect upstream, midstream, and downstream enterprises and promote the industrialization and internationalization of recycling technologies. His physical recycling technology complies with international environmental standards, enhances resource efficiency, and significantly reduces carbon emissions, positioning it as a key enabler of the global transition toward a circular solar panel economy.

Resume

Education

- Ph.D. National Chung Cheng University (1997-2000)
- M.S. National Chung Cheng University (1995-1997)

Experience

- Dean, National University of Tainan College of Environmental Science and Ecology (2024-present)
- Distinguished Professor, National University of Tainan (2024-present)
- Professor, National University of Tainan (2013-2024)

Awards

- InnoVEX 2023 ESG & Green Tech Award
- Top 10 of the Intersolar Award 2023 Finalist
- TIE Award 2023
- National Innovation Award 2023
- CES Innovation Award 2024
- POwR Earth–Renewable Energy Recycling Award 2024

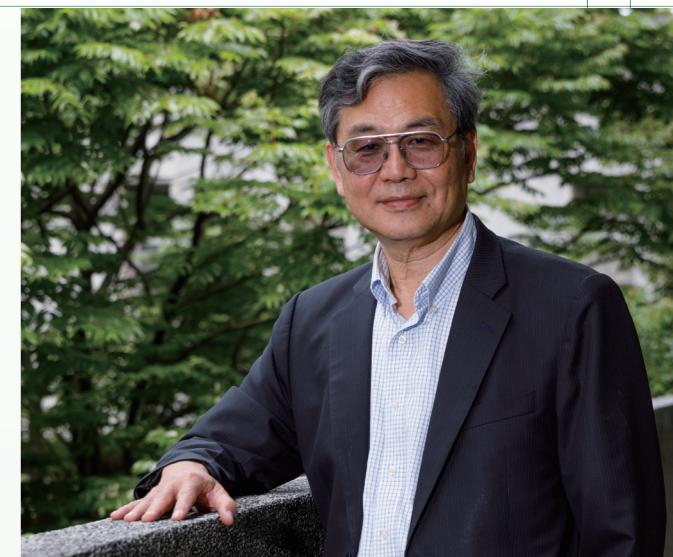
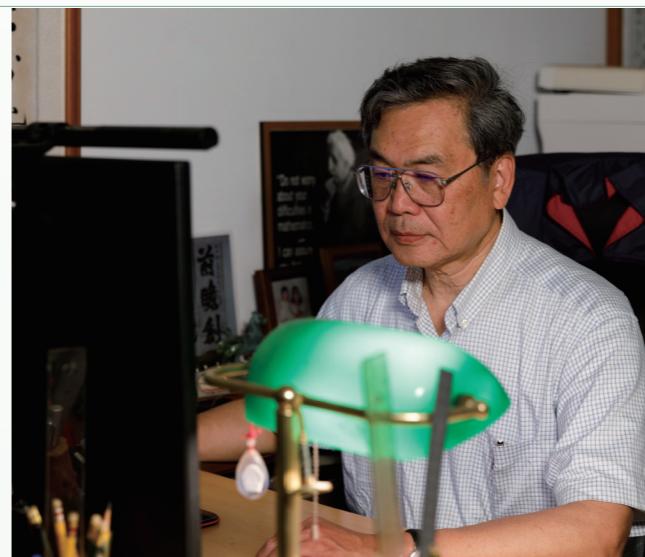
Industry-Academia Collaboration Award

Department of Civil Engineering of National Central University (NCUCE) Chung-Yue Wang Professor



Key Features

Dr. Chung-Yue Wang specializes in bridge safety inspection, diagnostic evaluation, and maintenance management technologies. He developed an integrated bridge monitoring system—covering aerial, surface, and underwater environments—that combines non-contact remote optical measurement with fluid-structure interaction numerical simulation. This advanced system enables precise safety assessments of bridges and track structures, surpasses current international standards, and holds strong commercial potential. He has long supported the Ministry of Transportation and Communications, the Freeway Bureau, and other agencies in establishing safety monitoring information systems for numerous critical bridges and railway structures, effectively enabling early warning capabilities and reducing the risk of infrastructure-related disasters. He holds 38 invention patents and has received numerous accolades, including the National Invention and Creation Silver Award and the Outstanding Patent Award from National Central University on seven occasions. With annual industry-academia cooperation funding reaching NT\$15 million, he has led 172 collaborative projects between 1997 and 2024, making significant contributions to infrastructure and engineering safety. His technologies have wide-ranging applications, from strengthening and extending the lifespan of aging bridges to monitoring factory structures and ensuring the safety of offshore wind turbines, providing vital technical support for key national infrastructure projects. He also fosters cross-disciplinary engineering talent through industry-academia collaborations that advance the bridge and structural safety industry and ensure the resilient and innovative development of Taiwan's infrastructure.



“

Guiding Philosophy

*With a great heart, one embraces all the world holds.
With a humble heart, one welcomes all the world's goodness.
With a calm heart, one can engage with all the world's affairs.
With a deep heart, one perceives all the world's principles.
With a steady heart, one adapts to all the world's changes.*

— Chung-Yue Wang, Professor —

”

Resume

Education

- Ph.D. in Engineering Mechanics, University of Texas at Austin, USA (1984-1989)
- M.S. in University of Wisconsin at Madison, USA (1982-1984)
- B.S. in National Cheng-Kung University of Taiwan (1976-1980)

Experience

- Adjunct Researcher, National Institute of Experimental Sciences, National Center for Earthquake Engineering Research (2020-2026)
- Advisory Member, National Transportation Safety Investigation Commission, Executive Yuan (2020-2025)
- Professor, Department of Civil Engineering, National Central University, Taiwan (1999-2025)

Awards

- 113th Chinese Institute of Engineers "Outstanding Engineering Professor Award", 2024
- Chung-Ang University Industry-Academic Cooperation Excellence Award, 2017, 2018, 2021
- National Invention Silver Award from the Intellectual Property Office of the Ministry of Economic Affairs, 2014
- China Engineers Society 97 Engineering Paper Award, 2008

Industry-Academia Collaboration Award

Intelligent Manufacturing Research Center,
National Cheng Kung University

Fan-Tien Cheng, CEO



Key Features

Dr. Fan-Tien Cheng is a pioneer in intelligent manufacturing and industrial automation and is widely touted as the Father of Semiconductor Automation in Taiwan. He has continuously advanced intelligent manufacturing and, since 2020, has served as the Chair of the IEEE Conference on Automation Science and Engineering (CASE) Steering Committee, where he actively fosters international collaborations between academia and industry. His Industry 4.1 Intelligent Manufacturing with Zero Defects and Industry 4.2 Green Intelligent Manufacturing initiatives integrate AI, big data, and industrial IoT to achieve both zero defects and net-zero carbon emissions, ensuring consistent quality and sustainable manufacturing operations. According to data from Clarivate Analytics (2023) and Elsevier (2024), Dr. Cheng's academic contributions in intelligent agents and industrial manufacturing design rank first both in Taiwan and globally. His technologies have been widely adopted across industries such as semiconductor, flat panel display, and carbon fiber, generating an estimated annual increase in output value exceeding NT\$10 billion. He facilitated 65 technology transfers with a total contract value exceeding NT\$270 million, contributing to advancing Taiwan, R.O.C.'s manufacturing industry toward net-zero carbon emissions and laying the groundwork for global green intelligent manufacturing development.



“

Guiding Philosophy

Being a good person is more important than doing things, and pursuing truth, goodness and beauty in doing things.

— Fan-Tien Cheng, CEO —



Resume

Education

- Ph. D., Institute of Electrical Engineering, The Ohio State University, U.S.A. (1987-1989)
- M.S., Institute of Electrical Engineering, The Ohio State University, U.S.A. (1980-1982)
- B.S., Department of Electrical Engineering, National Cheng Kung University, Taiwan, R.O.C. (1972-1976)

Experience

- CEO, Intelligent Manufacturing Research Center (iMRC), National Cheng Kung University (NCKU) (2024-present)
- Chair of IEEE CASE Steering Committee (2020-present)
- Director, iMRC, NCKU (2018-2024)
- Chair Professor, Institute of Manufacturing Information and Systems, NCKU (2009-2024)

Awards

- National Invention and Creation Award from the Ministry of Economic Affairs (MoEA), Taiwan, R.O.C., for four times, 2011, 2012, 2018, 2024
- 2013 IEEE Inaba Technical Award for Innovation Leading to Production
- Outstanding Research Award from the National Science Council (NSC), Taiwan, R.O.C., for three times, 2006, 2009, 2013
- Award for Outstanding Contributions in Science and Technology from the Executive Yuan, Taiwan, R.O.C., 2011

Industry-Academia Collaboration Award

Department of Chemical Engineering, Chung Yuan Christian University
Yung Chang Chair Professor



Key Features

Dr. Yung Chang focuses on the research, development, and clinical application of biomimetic zwitterionic technology. In 2016, he founded PuriBlood Medical and successfully translated academic breakthroughs into industrial applications. He developed zwitterionic charge-bias polymer membrane separation technology that precisely identifies and removes leukocytes, achieving the world's fastest leukocyte removal—within 7 minutes and with 99.99% filtration efficiency. This breakthrough revolutionizes blood transfusion medicine and significantly reduces the risk of transfusion-related side effects. Dr. Chang has amassed 63 invention patents and published over 282 SCI papers with more than 12,868 citations. He has been repeatedly recognized by Stanford University as one of the Top 2% Scientists Worldwide. He actively promotes industry-academia collaboration, leading 76 interdisciplinary projects that support domestic and international enterprises in developing innovative products, with accumulated R&D funding surpassing NT\$130 million. PuriBlood Medical has obtained FDA and ISO certifications, with technology licensing fees reaching NT\$103 million and market value exceeding NT\$1.6 billion. The successful commercialization of this technology has had a profound impact on the development of Taiwan's biotechnology industry.



“

Guiding Philosophy

Innovation is the core driving force of progress, while perseverance forms the cornerstone for achieving goals. Let's unite our wisdom, spark creativity, pursue breakthroughs amid challenges, and steadfastly advance toward our ideals. By working together to create a better future, we transform every effort into a powerful force for humanity's benefit, continuously driving global change and progress.

— Yung Chang, Chair Professor —

”

Resume

Education

- National Taiwan University / Institute of Chemical Engineering / Ph.D. (2000-2004)
- National Taiwan University / Institute of Chemical Engineering / Master's (1998-2000)
- Chung Yuan Christian University / Department of Chemical Engineering / Bachelor's (1994-1998)

Experience

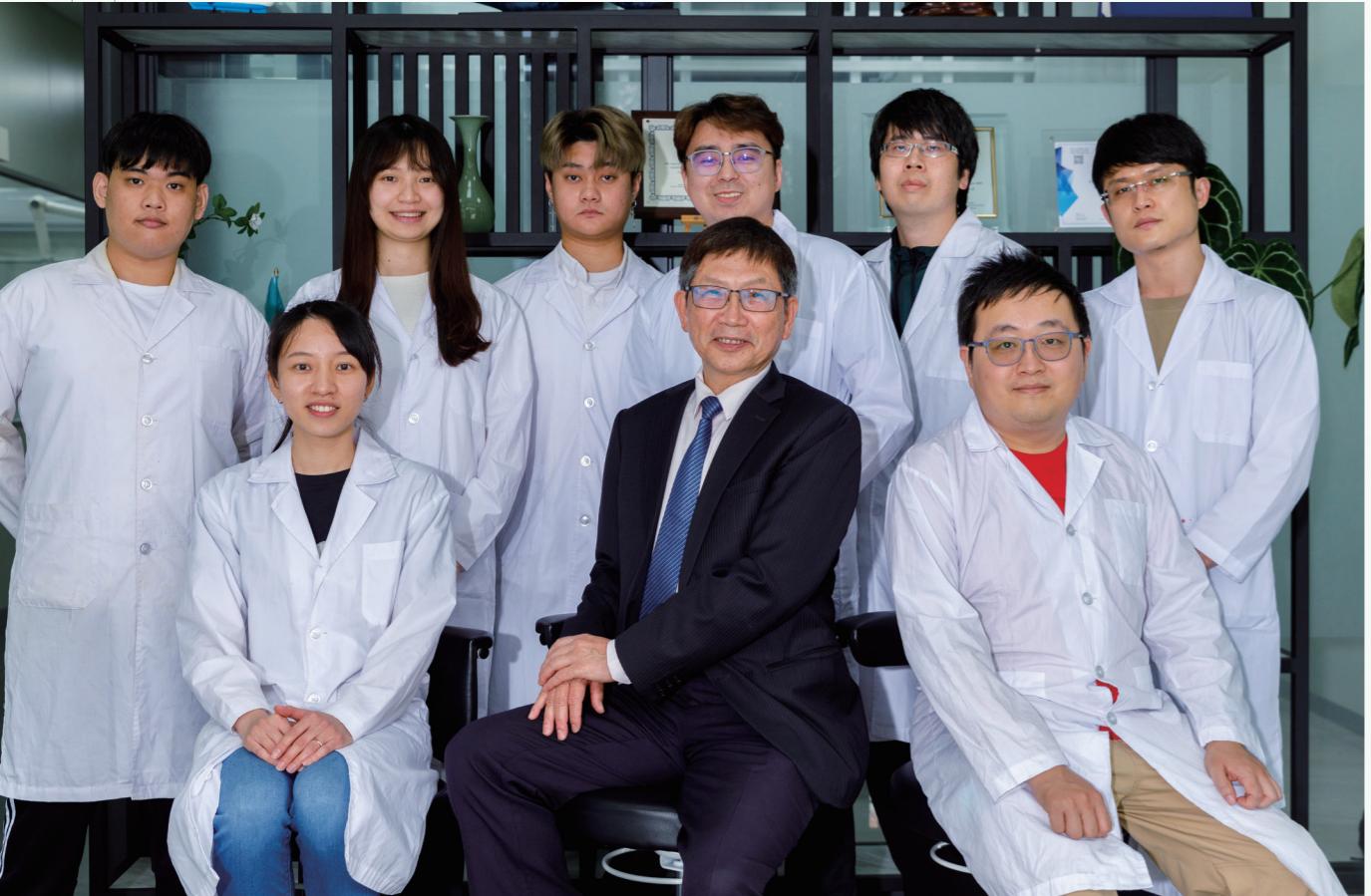
- Chair, Department of Chemical Engineering, Chung Yuan Christian University (2024-present)
- Tenured Distinguished Professor, Department of Chemical Engineering, Chung Yuan Christian University (2024-present)
- Director of Industry-Academia Operations, Chung Yuan Christian University (2023-present)
- Director, Thin Film Technology Research Center, Chung Yuan Christian University (2017-present)

Awards

- Outstanding Research Award, National Science and Technology Council, 2024
- Outstanding Engineering Professor Award, Chinese Society of Engineers, 2024
- Outstanding Technology Contribution Award, Executive Yuan, 2023
- Teco Education Foundation "Teco Award," 2023

Industry-Academia Collaboration Award

National Yunlin University of Science and Technology Chi-Min Shu Distinguished Chair Professor



Key Features

Dr. Chi-Min Shu is dedicated to advancing chemical process safety and intelligent disaster prevention. He has consistently fostered collaborations among industry, government, academia, and research institutions to improve industrial safety and environmental protection. He was appointed as a hazardous substances response consultant for both the National Fire Agency under the Ministry of the Interior and the Ministry of Environment. Dr. Shu is one of the few academics worldwide proficient in utilizing three calorimetric techniques for thermal hazard research. By integrating thermal analysis with quantitative risk assessment, he advances inherently safer process design. He established the Process Safety and Disaster Prevention Laboratory, published 696 SCI-indexed papers and over 1,000 conference papers, and received 20 international awards, including the prestigious TA Instruments-ICTAC Award. He actively promotes green chemistry and industrial safety technologies, participates in major industrial accident investigations, and assists the government in formulating relevant policies. He has also developed AI-integrated intelligent disaster prevention systems to substantially enhance early warning and emergency response capabilities, making a profound impact on both the industrial sector and public safety.



“

Guiding Philosophy

I aspire to be a guardian of Taiwan's process safety, shouldering not only responsibility but also a meaningful mission. In the path of innovation, I will always uphold the safety baseline, protect every environment and life, and fearlessly move forward to shape the future.

— Chi-Min Shu, Distinguished Chair Professor —



Resume

Education

- Ph.D. in Chemical Engineering from the University of Missouri-Rolla, USA (1987-1990)
- M.S. in Chemical Engineering, University of Missouri-Rolla, USA (1985-1987)
- B.S. Degree in Chemical Engineering, Tunghai University (1977-1982)

Experience

- Executive Director, Industrial Safety and Health Association of the Republic of China (2020-2028)
- Member, National Standards Review Committee, Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs (2023-2025)
- Member, National Standards Technical Committee for Industrial Safety, Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs (2023-2025)
- Convener, Waste Reuse Program, Industrial Development Administration, Ministry of Economic Affairs (2022-Present)
- Fire Investigation Committee Member, National Fire Agency, Ministry of the Interior – Yunlin and Taichung (2013-Present)

Awards

- TA Instruments-ICTAC Award, 2024
- JTACC V4 Scientific Excellence Award, Hungary, 2023
- Scientist Award, International Association of Advanced Materials (IAAM), Sweden, 2023

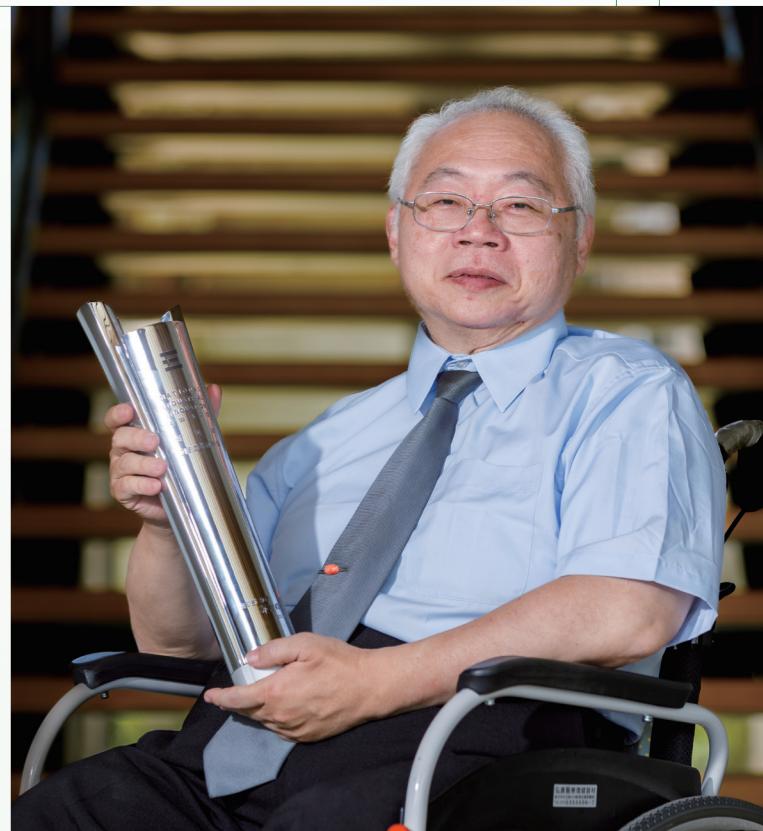
Industry-Academia Collaboration Award

**Institute of Electrical and Control Engineering,
National Yang Ming Chiao Tung University
Bing-Fei Wu Chair Professor**



Key Features

Dr. Bing-Fei Wu has long been dedicated to the innovative development of image-based physiological signal measurement technologies. He successfully developed a non-contact health monitoring system and actively promoted its application in elderly care, telemedicine, and special disease monitoring. His research achievements have earned multiple awards and led to successful technology transfer to industry, leading to the establishment of the startup FaceHeart to commercialize the technology. The company secured a total of NT\$360 million in funding from MediaTek, Taiwania Capital, and Mega Financial Holding, becoming the world's first to receive FDA SaMD clearance for rPPG solution. It was also named an Innovation Awards Honoree in the digital health category in both 2024 and 2025. He actively promotes the application of image recognition technology in the field of automotive electronics, supporting industrial technology upgrades and securing 41 domestic and international patents. His efforts have significantly advanced Taiwan's image-based vehicle active safety industry and have had a significant influence on both the intelligent healthcare and automotive markets.



“

Guiding Philosophy

Academic career motto: “Teaching is not about being clever, but about having a heart; research is not about depth, but about usefulness.”

Personal motivational motto: “Those who suffer cannot afford the luxury of pessimism.”

Self-discipline motto: “Be serious about your work, be humble as a person.”

— Bing-Fei Wu, Chair Professor —

”

Resume

Education

- Ph.D. in University of Southern California, USA (1989-1992)
- M.S. National Chiao Tung University (1981-1983)
- B.S. National Chiao Tung University (1977-1981)

Experience

- IEEE SMC Society Technical Committee Chair (2011-2018)
- IEEE SMC Society Founding Chair (2003-2005)

Awards

-

Introductions to the Winners of the 9th National Industrial Innovation Award

Publisher : Department of Industrial Technology, Ministry of Economic Affairs

Address : 15 Fuzhou St , Taipei, 10015, Taiwan , (R.O.C)

Tel : (02) 2321-2200

URL : <https://www.moea.gov.tw/>

Production : Chiness Association For Republic of
China Industrial Technology Promotion Association

Address : 11F ,No.149,Sec.3 Xinyi Rd , Taipei City 106, Taiwan(R.O.C.)

Tel : (02) 2325-6800

URL : <https://www.caita.org.tw/>

Editorial Convener : Kuo Chao-Chung

Author : Department of Industrial Technology, MOEA

Photography : Shih-Hao Tsai

Publication Date : Dec. 2025, first edition

Complimentary Publications

ISBN : 978-986-533-553-3

GPN : 1011401725

All rights reserved

Copyright@2025 Ministry of Economic Affairs, R. O. C.

