Most Popular Research Involved

- Smart Technology πPBL Transdisciplinary Program
- Multimedia & Intelligent Computing Program (such as Artificial Intelligence, Digital Image, Virtual Reality, …etc.)
- Network and Systems Program (such as Internet of Things, Embedded, Wearable, Mobile, Wireless,…etc.)

High-Speed wireless internet coverage campuswide
On-campus dormitory for all international students

State-Of-The-Art Instruments for Research

- AR/VR computer classroom
- Apple Mac computer classroom
- 3 PCs computer classrooms
- 20 research laboratories

Scholarship

- Taiwan Fellowships and Scholarships (tafs.mofa.gov.tw)
- TaiwanICDF Scholarship (www.icdf.org.tw)
- NDHU Scholarship (oia.ndhu.edu.tw)
- Southwest Scholarships

Faculty & Research Interests

Name	Position	Education Background	Research Interest
Shin-Feng Lin	Professor, IET Fellow and Vice-President	Ph.D, Dept. of Electrical Engineering, Mississippi State University, U.S.A.	Signal /Image Processing, Image/ Video Compression, Pattern Recognition, Information Security
I-Cheng Chang	Professor and Chairman	Ph.D, Dept. of Electrical Engineering, National Tsing Hua University, Taiwan	Image Processing, Computer Vision, Computer Graphics, Machine Learning, Deep Learning
Cheng-Chin Chiang	Professor and Vice-Dean of College of Science & Engineering	Ph.D, Dept. of Computer Science and Information Engineering, National Chiao Tung University, Taiwan	Neural Network, Deep Learning, Machine Learning, Pattern Recognition, Intelligent Human-Machine Interface
Shih-Chien Chou	Professor	Ph.D, Dept. of Computer Science and Information Engineering, National Chiao Tung University, Taiwan	Software Engineering, Systems Analysis and Design, Software Development, Object-Oriented Software
Chenn-Jung Huang	Professor	Ph.D, Dept. of Electrical Engineering, National Sun Yat-Sen University, Taiwan	Machine Learning, Wireless Network, Intelligent Systems, E-Learning
Han-Ying Kao	Professor	Ph.D, Dept. of Information Management, National Chiao Tung University, Taiwan	Optimization Methods and Applications, Soft Computing, Intelligent Decisions
Pao-Lien Lai	Professor	Ph.D, Dept. of Computer Information Science, National Chiao Tung University , Taiwan	Interconnection Networks, Error-Diagnosis, Graph Theory, Fault-Tolerant Computing
Ching-Nung Yang	Professor, IET Fellow	Ph.D, Dept. of Electrical Engineering, National Cheng Kung University, Taiwan	Information and Network Security, Cryptography, Coding Theory
Mau-Tsuen Yang	Professor	Ph.D, Dept. of Computer Science and Engineering, Pennsylvania State University, U.S.A.	Computer Vision, Augmented Reality, Learning Technology
Shi-Jim Yen	Distinguished Professor	Ph.D, Dept. of Computer Science and Information Engineering, National Taiwan University, Taiwan	Artificial Intelligence, Computer Games, Machine Learning
Chang-Hsiung Tsai	Professor	Ph.D, Dept. of Computer Information Science, National Chiao Tung University, Taiwan	Fault-Tolerant Computing, Peer-to-Peer Computing, Interconnection Networks, Embedded Systems
Shiow-Yang Wu	Professor	Ph.D, Dept. of Computer Science, University of Texas at Austin, U.S.A.	Cloud Computing & Big Data Processing, Mobile & Pervasive Computing, Data & Knowledge Bases, Distributed Systems, Web Services
Tao-Ku Chang	Asso. Professor	Ph.D, Institute of Information and Computer Education, National Taiwan Normal University, Taiwan	Information Security, Information Services, Internet of Things, Workflow, Software Engineering
Min-Xiou Chen	Asso. Professor	Ph.D, Dept. of Computer Science and Information Engineering, National Chung Cheng University, Taiwan	Computer Network, Wireless Network, Cloud Network
Hsin-Chou Chi	Asso. Professor	Ph.D, Dept. of Computer Science, University of California, Los Angeles, U.S.A.	Computer Architecture, Parallel Processing, VLSI Design, Embedded Systems,
Chih-Hung Lai	Asso. Professor	Ph.D, Dept. of Computer Science and Information Engineering, National Central University, Taiwan	E-Learning, Machine Learning, Data Science
Guan-Ling Lee	Asso. Professor	Ph.D, Dept. of Computer Science, National Tsing Hua University, Taiwan	Mobile Computing, Database, Data Mining
Shou-Chih Lo	Asso. Professor	Ph.D, Dept. of Computer Science, National Tsing Hua University, Taiwan	Internet of Things, Mobile Computing, Wireless Network
Chung Yung	Assis. Professor	Ph.D, Dept. of Computer Science, New York University, U.S.A.	Cloud Computing, Compilers, Big Data Analysis in Tourism
Wei-Che Chien	Assis. Professor	Ph.D, Dept. of Engineering Science, National Cheng Kung University, Taiwan	wireless rechargeable sensor networks, 5G mobile networks, AIoT, fog computing and cloud computing

Research Results

- Artificial Intelligence Lab – 2010~2022 participated in various competitions and receipted 40 Gold 18 Silver 16 Bronze prize medals
- Artificial Intelligence Lab –Chinese Chess AI Software successfully challenged human brain for the World Record
- Multimedia Interact Tech Lab – Automatic Surveillance, Face Tracking and Facial Expression Synthesis System, Keyword Spotting
- AR/VR Lab –AR/VR Simulation Systems