

**National Taipei University**  
**Master Programs of the College of Electrical Engineering**  
**and Computer Science for International Students**

Department of Computer Science and Information Engineering

Graduate Institute of Communication Engineering

Graduate Institute of Electrical Engineering

**Admission Information**

**Fall Semester 2011**

**I. Introduction**

The College of Electrical Engineering and Computer Science was established in fall 2007, based on the crucial demand of national development plan "Two Trillions and Twin Stars". In association with the High-Tech industries in the five northern science parks (Hsin-Tien, Chung-Ho, Tu-Cheng, Tao-Yuan, and Hsin-Chu), skillful and professional engineers/researchers are nurtured to meet the demands by the industry in this college. The college includes three departments: The Department of Computer Science and Information Engineering, the Graduate Institute of Communication Engineering, and the Graduate Institute of Electrical Engineering.

As part of the National Taipei University located in the capital of Taiwan, we aim to become the nationally distinguished college in our specific field of expertise, such as Information Theory, IC Design, Multimedia, Networks, and Pervasive Computing. Our faculty will be recognized as the innovators in their research field. Our alumni working in the science and technology industry will set the standard of excellence. Our students will learn to excel in the professional skills and knowledge, to decipher significant problems, and to develop a passion for improving the world.

**II. Program Duration:** Two years of English-speaking program.

**III. Enrollment Capacity:** 15 students in total.

#### **IV. Qualifications:**

Applicants must meet all of the following criteria:

1. International student admission is only for applicants who do not have overseas Chinese status, or Hong Kong and Macau citizenship, and who do not hold a Republic of China (R.O.C.) passport.
2. If applicants formerly held the R.O.C. nationality, they should have officially given up the R.O.C. nationality for at least eight years, up until the beginning date of the first term in which they seek admission on National Taipei University.
3. Applicants must hold a bachelor's degree or its equivalent in a related field from a university or independent college.

#### **V. Financial Aid:**

**The program costs and fees are fully subsidized by the Teaching and Learning Excellence Project from Ministry of Education of Taiwan.**

1. **A Scholarship of NT\$ 150,000** (approximately **US\$ 5,000**) will be provided each year for two years for the admitted applicants.  
[Estimated annual tuition and fee is NT\$ 52,503 (approximately US\$ 1,750) and the annual dormitory fee is NT\$ 16,000 (approximately US\$ 533)].
2. Students are responsible for the remaining expenses, including utility bill, Internet, transportation, books, living expenses, etc.
3. There are also possible work opportunities on campus for students.
4. Other scholarship may be awarded based on the student's academic performance after enrollment.
5. Ministry of Education Common Scholarship information:  
[http://www.ntpu.edu.tw/laws/law\\_more.php?dep=4&id=427](http://www.ntpu.edu.tw/laws/law_more.php?dep=4&id=427)

#### **VI. Required Documents:**

**A complete application must include the followings:**

1. Log in the On-line application system, fill in all the details required, and print out Two Copies of the completed Application Form (Please refer to <http://www.ntpu.edu.tw/admin/a7/org/a7-1/isapply/>).
2. One Copy of Bachelor's Degree Diploma (in English version).
3. One Copy of Official Transcript (in English version).
4. Study Plan.
5. Two Recommendation Letters.
6. Additional Supporting Documents (CV, Publications, Honors, Thesis, etc.).

#### **VII. Deadline of Application: April 30, 2011**

Please mail all the application materials to the following address:

**Admission and General Affairs Section,  
Office of Academic Affairs, National Taipei University,  
No.151, University Rd., San Shia District, New Taipei City, Taiwan, R.O.C. 23741**

### **VIII. Supporting Faculty and Research Area (in alphabetical order):**

*Chang, Jen Chun, Professor, Ph.D., National Chiao Tung University, Taiwan,*  
[jcchang@mail.ntpu.edu.tw](mailto:jcchang@mail.ntpu.edu.tw) : Coding Technique, Cipher Technique, System Reliability Analysis, Algorithm.

*Chang, Yue-Shan, Associate Professor, Ph.D., National Chiao Tung University, Taiwan,*  
[ysc@mail.ntpu.edu.tw](mailto:ysc@mail.ntpu.edu.tw) : Data Retrieval, Internet Applications, Distributed Computing, Distributed Object, Data Consolidation.

*Chen, Yuh-Shyan, Professor, Ph.D., National Central University, Taiwan,*  
[yschen@mail.ntpu.edu.tw](mailto:yschen@mail.ntpu.edu.tw) : Wireless Network, Mobile Computing, Personal Communication Network.

*Chen, Yung-Yuan, Professor, Ph.D., State University of New York at Buffalo, U.S.A.,*  
[chenyy@mail.ntpu.edu.tw](mailto:chenyy@mail.ntpu.edu.tw) : Fault-tolerant Computing, VLSI System Design, Computer Architecture, Reliable Processor/SOC Design with Dependability Assessment/Validation, And Safety in FlexRay Drive-by-wire Automotive Systems.

*Hou, S. H., Professor, Ph.D., University of Texas at Austin, U.S.A.,*  
[mhoincerritos@yahoo.com](mailto:mhoincerritos@yahoo.com) : Data Base Management System, Project Management, Network Planning, Parallel Processing.

*Huang, Hong-Yi, Associate Professor, Ph.D., National Chiao Tung University, Taiwan,*  
[hyhuang@mail.ntpu.edu.tw](mailto:hyhuang@mail.ntpu.edu.tw) : Bio-Circuits and Systems, Mixed-Signal Integrated Circuits, Nanometer Integrated Circuits.

*Huang, Jiung-Yao, Professor, Ph.D., University of Massachusetts, U.S.A.,*  
[jyhuang@mail.ntpu.edu.tw](mailto:jyhuang@mail.ntpu.edu.tw) : 3D Computer Graphics, Virtual Reality, Networked Virtual Environment, Augmented Reality, Wearable Computing, Pervasive Computing.

*Jan, Gene Eu, Professor, Ph.D., University of Maryland, U.S.A.,*  
[gejan@mail.ntpu.edu.tw](mailto:gejan@mail.ntpu.edu.tw) : VLSI Design, Parallel Processing, Electronic Design Automation (EDA).

*Juang, Tong-Ying, Professor, Ph.D., University of Texas at Dallas, U.S.A.,*  
[juang@mail.ntpu.edu.tw](mailto:juang@mail.ntpu.edu.tw) : Mobile Computing, Computer Network, Distributed Parallel Systems.

*Leu, Jia-Guu, Professor, Ph.D., University of Cincinnati, U.S.A.,*  
[leu@mail.ntpu.edu.tw](mailto:leu@mail.ntpu.edu.tw) : Pattern Recognition, Image Processing, Speech Processing.

**Lin, Bor-Shing, Assistant Professor, Ph.D., National Taiwan University, Taiwan,**  
[bslin@mail.ntpu.edu.tw](mailto:bslin@mail.ntpu.edu.tw) : Embedded System, Biomedical Signal Processing, Portable Physiological Monitoring System, Neural Network.

**Lin, Dalton, Professor, Ph.D., University of Maryland, U.S.A.,**  
[dalton@mail.ntpu.edu.tw](mailto:dalton@mail.ntpu.edu.tw) : Image Processing, Pattern Recognition, Intelligent Computing, Neural Network.

**Liou, Wan-Rone, Professor, Ph.D., Ohio State University, U.S.A.,**  
[wrliou@mail.ntpu.edu.tw](mailto:wrliou@mail.ntpu.edu.tw) : Analog/Mixed-Signal Integrated Circuits Design, Power Electronics IC Design, Radio Frequency IC Design, Semiconductor Device.

**Pai, Hung-Ta, Associate Professor, Ph.D., University of Texas at Austin, U.S.A.,**  
[htpai@mail.ntpu.edu.tw](mailto:htpai@mail.ntpu.edu.tw) : Signal Processing, Communication System, Digital Design.

**Shen, Victor R.L., Professor, Ph.D., National Taiwan University, Taiwan,**  
[rlshen@mail.ntpu.edu.tw](mailto:rlshen@mail.ntpu.edu.tw) : Artificial Intelligence, Digital System Design and Verification, e-Learning, Petri Net Theory and Applications.

**Shieh, S. L., Assistant Professor, Ph.D., National Chiao Tung University, Taiwan,**  
[slshieh@mail.ntpu.edu.tw](mailto:slshieh@mail.ntpu.edu.tw) : Error Correction Codes, Information Theory, Digital Communications.

**Tseng, Henry Chinyang, Assistant Professor, Ph.D., University of California-Davis, U.S.A.,**  
[tsengcyt@mail.ntpu.edu.tw](mailto:tsengcyt@mail.ntpu.edu.tw) : Network Security, Wireless Networks, Routing, Software Engineering, Network Management.

**Wang, Peng-Hua, Assistant Professor, Ph.D., National Taiwan University, Taiwan,**  
[phwang@mail.ntpu.edu.tw](mailto:phwang@mail.ntpu.edu.tw) : Digital Signal Processing, Graphic Chip Design, Computer calculates a unit design.

**Wei, Chun-Yi, Assistant Professor, Ph.D., University of Southampton, U.K.,**  
[cywei@mail.ntpu.edu.tw](mailto:cywei@mail.ntpu.edu.tw) : Multiuser MIMO Communication Systems, Iterative Decoding Systems, Detection Joint Decoding Systems, Transceiver Design using limited feedback, Space-time Signaling design, Cooperative systems.

**Wu, Hsin-Lung, Assistant Professor, Ph.D., National Chiao Tung University, Taiwan,**  
[hsinlung@mail.ntpu.edu.tw](mailto:hsinlung@mail.ntpu.edu.tw) : Computation Theory, Randomized Algorithms, Pseudo Randomness.

**Yang, Zhi-Fang, Assistant Professor, Ph.D., National Chiao Tung University, Taiwan,**  
[zfyang@mail.ntpu.edu.tw](mailto:zfyang@mail.ntpu.edu.tw) : Pattern Recognition, Information Hiding.

## **IX. Further Information:**

Further information regarding the academic program, teaching faculty, and financial aid may be found by visiting:

1. National Taipei University: <http://www.ntpu.edu.tw>
2. Department of Computer Science and Information Engineering:

<http://www.csie.ntpu.edu.tw>

Graduate Institute of Communication Engineering:

<http://www.ce.ntpu.edu.tw>

Graduate Institute of Electrical Engineering:

<http://www.ntpu.edu.tw/ee>

**National Taipei University**

**College of Electrical Engineering and Computer Science**

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Contact person: Ms. Claire Lin