

Taiwan International Conference on Nano Science and Technology

(TICON 2004)

First Announcement and Call for Papers

Location

Taiwan International Conference on Nano Science and Technology will be held at National Tsing Hua University during the period from June 30 to July 3, 2004. The University is situated close to the Hsinchu Science-Based Industrial Park, in the North West of Taiwan.

Conference Program

The program will consist of invited lectures, contributed talks, and poster presentation. Contributed papers are solicited in the following areas, including related materials, chemistry, and physics subjects:

Nanoelectronics :

- High-k Materials and Nano Devices
- Devices based on Nano Tubes, Wires and Dots
- Spintronics

Nanophotonics :

- Semiconductor-Based Quantum-Dot Light Sources and Detectors
- Nano Organic-Based Photonics
- Photonic Crystal Devices

Nanobiotechnology :

- Single Molecule/Cell Detection and Manipulation
- New Tools for Bio Research
- Bio Mimetic Devices

Partial list of invited speakers:

Dr. Steven Chu

Department of Physics and Applied Physics, Stanford University, USA

Prof. Kang L. Wang

MARCO Focus Center on Functional Engineered Nano Architectonics, UCLA, USA

Prof. Koung An Chao

Lund University, Sweden

Dr. Chang-Chyi Tsuei

IBM Thomas J. Watson Research, USA

Prof. Chih-Ming Ho

Mechanical and Aerospace Engineering Department, UCLA, USA

Prof. Maw-Kuen Wu

Director, Institute of Physics, Academia Sinica, Taiwan

Prof. T. Y. Tsong

Institute of Physics, Academia Sinica, Taiwan

Prof. Takashi Mizutani

Department of Quantum Engineering, Nagoya University Furo-cho, Japan

Prof. T. P. Ma

Department of Electrical Engineering, Yale University, USA

Prof. Hideo Ohno

Research Institute of Electrical Communication, Tohoku University, Japan

Prof. Peter G. Kazansky

Optoelectronics Research Center, University of Southampton, UK

Prof. Klaus H. Ploog

Paul-Drude-Institut für Festkörperelektronik, Germany

Prof. D. Bimberg

Institut für Festkörperphysik, Germany

Prof. Long Shu

Institute and Department of Electrophysics, NCTU

Prof. Huihua Chiang
Institute of Biomedical Engineering, NYMU

Prof. Ming-Dou Ker
Department of Electronics Engineering, NCTU

Prof. Yuh-Shyong Yang
Department of Biological Science and Technology, NCTU

Prof. Chi-Hung Lin
Institute of Microbiology and Immunology, NYMU

Prof. Lih J. Chen
Department of Materials Science and Engineering, NTHU

Prof. Chain-Shu Hsu
Department of Applied Chemistry, NCTU

Prof. Ray-Nien Kwo
Department of Physics, NTHU

Prof. Ching-Ray Chang
Department of Physics, NTU

Prof. Guang-Yu Guo
Department of Physics, NTU

Prof. Chih-Kung Lee
Institute of Applied Mechanics, NTU

Prof. Min-Hsiung Hon
Department of Materials Science and Engineering, NCKU

Prof. Jyh-Ming Ting
Department of Materials Science and Engineering, NCKU

Dr. Yuh-Lin Wang
Institute of Atomic and Molecular Sciences, Academia Sinica, Taiwan

Prof. Minn-Tsong Lin
Department of Physics, NTU

Prof. Huey-liang Hwang
Director, Nano Technology and MEMS Center, NTHU

Prof. Kuo-chu Hwang
Department of Chemistry, NTHU

Prof. K. H. Wei
Department of Materials Science and Engineering, NCTU

Prof. Tsung-Shune Chin
President, National United University

Prof. Yen-Chieh Huang
Department of Electrical Engineering, NTHU

Prof. T. M. Hsu
Department of Physics, NCU

Prof. Chung-Yuan Mou
Department of Chemistry, NTU

Prof. Jen-Inn Chyi
Department of Electrical Engineering, NCU

Dr. Tsung-Tsan Su
*Director of Nano Technology Research Center, Industrial Technology
Research Institute*

Prof. Chuen-horng Tsai
Department of Engineering and System Science, NTHU

Dr. Fan Luo
VP and Chief Technology Officer of AU Optronics Corporation

Prof. Chung-Yu Wu
*Dean, College of Electrical Engineering and Computer Science & Department of
Electronics Engineering, NCTU*

Prof. Chih-Huang Lai
Department of Materials Science and Engineering, NTHU

Prof. Minghwei Hong
Department of Materials Science and Engineering, NTHU

Dr. Jacques Gierak

Laboratoire de Photonique et de Nanostuctures, UPR CNRS 20, 91460, Marcoussis, France

Prof. Ian. C. Hsu
Department of Atomic Science, NTHU

Prof. Chih-Kang Shih
Department of Physics, The University of Texas at Austin, USA

Abstract Submission

The abstracts should not exceed 1 page (A4), be typed in English using Times New Roman 12-point font and single spaced. It should include: (1) Subject number, (2) Full title, (3) The full names and affiliation of authors, with the Presenter's name to be in bold, (4) The main body of the abstract, (5) Presenter's e-mail address, phone and fax numbers.

Subject numbers are listed below:

[1] Nanoelectronics; [2] Nanophotonics; [3] Nanobiotechnology

Electronic abstracts are preferred and must be submitted via e-mail.

E-mail address: ustcnst@my.nthu.edu.tw

Abstract Template, please see Attachment I.

Deadline for receipt of abstract: **April 10, 2004.**

Notification of acceptance: **April 30, 2004.**

Conference Abstract Book

Contributed papers, selected by the Program Committee, will be presented either in oral or poster sessions. All contributions should be presented in **English**. Presenting author should submit an extended abstract to be included in the conference abstract book.

Submission of Extended Abstract: **June 10, 2004.**

Format of Extended Abstract

A4, Two to four Pages, Two Column, Single Space.

Boundary: 3 cm

Space between columns: 0.5 cm

Title: Times New Roman 16-point font

Authors: Times New Roman 12-point font

Affiliation: Times New Roman 10-point font

Abstract: Times New Roman 12-point font

Content: Times New Roman 12-point font

Content should include Introduction, Results and Conclusion, and Reference.

Extended Abstract Template, please see Attachment II.

Registration Information

If you wish to attend the Conference, please complete the registration form.
The Conference Fees are as follows:

- Registration before June 7, 2004:

Participant: NTD 500

Student: NTD 300

- Registration after June 7, 2004:

Participant: NTD 800

Student: NTD 500

(Student, documentary proof is necessary)

Fees include Conference Lunch and Conference Abstract Book.

The registration fee for invited speakers is waived.

The registration fee must be prepaid by Postal money order for domestic participants. (Account Name: National Tsing Hua University 國立清華大學)

If you find it necessary to cancel the registration, please provide written notice before June 20, 2004 to obtain a full refund less a 10% administration fee. It is regretted that cancellations after June 20, 2004 are liable for the full registration fee.

The registration fee can be paid on site for foreign participants.

Travel and Accommodation

Sightseeing information in Taiwan can be obtained from the website of Tourism Bureau of Rep. of China (<http://www.tbroc.gov.tw>) or contact with Travel Agents:

- 1) South East Travel Agency: Ms. Wan Ru Chen, Phone: +886-2-2571-3001
There are some information from Ms. Chen, please see the **Attachment III**.
- 2) Lion Travel Agency: Mr. Hong Jun Kuo, Phone: +886-2-2717-5977, E-mail: jany-kuo@liontravel.com.tw

The hotels listed below are recommended by the Local Steering Committee. Special rates have been negotiated.

SOL Hotel Hsinch (迎曦飯店)

Single Room: NTD 2,580; Double Room: NTD 2,820

Tel: +886-3-5347266; Fax: +886-3-5335750

E-mail: room@solhotel.com.tw

Website: <http://www.solhotel.com.tw/default00.htm>

Chinatrust Hotel (中信飯店)

Single Room: NTD 2,550; Double Room: NTD 2,850

Tel: +886-3-526-3181; Fax: +886-3-526-9244

E-mail: cth-pl@chinatrust-hotel.com

Website: <http://www.chinatrust-hotel.com.tw/./index.aspx>

Emerald Business Hotel (璞園商務旅館)

Single Room: NTD 1,540; Double Room: NTD 2,520

Tel: +886-3-5422727; Fax: +886-3-5425827

Website: <http://www.lakeshore.com.tw/chinese/p9.htm>

Conference Website:

<http://my.nthu.edu.tw/~ustcnst/TICON2004/index.html>

Conference Organization

Conference Chair

Prof. Cheng Chung Chi

Director, Center for Nano-Science and Technology, University System of Taiwan
Professor, Department of Physics / Materials Science Center ,National Tsing Hua
University

TEL: 886-3-5742268; FAX: 886-3-5713484;

E-mail: cchi@phys.nthu.edu.tw / ustcnst@my.nthu.edu.tw

International Advisory Committee

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Columbia University, USA

Professor Shu Chien

Whitaker Institute of Biomedical Engineering

University of California, San Diego, USA

Dr. Chang-Chyi Tsuei

IBM Thomas J. Watson Research, USA

Dr. T. Y. Tsong

Institute of Physics, Academia Sinica

Program Committee

Chair: Prof. Cheng Chung Chi

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Director Huey-liang Hwang (Nano Technology and MEMS Center, NTHU)

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Director Tai-Bor Wu (Material Science Center & Department of Materials Science
and Engineering, NTHU)

Prof. Ray-Nien Kwo (Department of Physics, NTHU)

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Director T. M. Hsu (CNST, NCU / Department of Physics, NCU)

Prof. Jen-Inn Chyi (Department of Electrical Engineering, NCU)

Prof. Shih Chao (Head, Institute of Photonics Technologies, NTHU)

Nanobiotechnology:

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Director Ian. C. Hsu (Department of Atomic Science, NTHU)

Dean Er-Terg Chiou (School of Medical Technology and Engineering, NYMU)

Dean W. G. Wu (College of Life Sciences, NTHU)

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National Yang Ming University
TSMC Education and Culture Foundation

CONFERENCE REGISTRATION FORM

Please complete and return to: Center for Nano Science and Technology,
University System of Taiwan
(Mailing address: National Tsing Hua University, 101, Section 2 Kuang Fu Road,
Hsinchu, 300 Taiwan, R.O.C.)
(Tel: +886-3-5742270; Fax: +886-3-5713484; E-mail: ustcnst@my.nthu.edu.tw)

(Please type or use capital letters)

(Prof./Dr./Mr./Mrs./Ms.)

(First/Middle Name) (Family Name)

Affiliation: _____

Street: _____

ZIP/Postcode: _____ City: _____

Country: _____

Phone: _____ Fax: _____

E-mail: _____

Conference Fee: _____

Nanoelectronics XXXXXX ZZZZZZ WWWW

Huey-liang Hwang^{1,4*}, Cheng Chung Chi^{2,4} and Hsi-Lien Hsiao³

*¹Institute of Electronics Engineering / Nano Technology and MEMS Center
National Tsing Hua University*

*²Department of Physics,
National Tsing Hua University*

*³Department of Physics,
Tunghai University*

*⁴Center for Nano-Science and Technology,
University System of Taiwan*

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Introduction

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Attachment III

1.	TAIPEI CITY TOUR	Pick-up time	AM08:00~09:00 PM13:00~14:00
Duration: 3hrs		Tour Fare: NT\$700	
At: Hotel Lobby		Child Fare: NT\$600	
Tour Stops:			
1. Martyrs' Shrine 2. National Palace Museum 3. Chiang Kai-Shek. Memorial Hall 4. Chinese Temple 5. Presidential Square (Pass by) 6. Handicraft Center			

2.	WULAI ABRIGINAL VILLAGE TOUR	Pick-up time	PM13:00~14:00
Duration: 4hrs		Tour Fare: NT\$900	
At: Hotel Lobby		Child Fare: NT\$700	
Tour Stops:			
1.Push-car Ride 2.Wulai Water fall 3.Aborigine Folk Dance 4.Swallow Lake(Pass by) 5. Chieftain Statue			

3.	TAIPEI NIGHT TOUR	Pick-up time	PM18:20~19:00
Duration: 3hrs		Tour Fare: NT\$1200	
At: Hotel Lobby		Child Fare: NT\$1200	
Tour Stops:			
1 Mongolian Bar-B-Q Dinner 2 Lungshan Temple 3 Hwashi Night Market 4 Top View Taipei Observatory			

4.	NORTHERN COAST TOUR	Pick-up time	PM08:00~09:00
Duration: 4hrs		Tour Fare: NT\$800	
At: Hotel Lobby		Child Fare: NT\$650	
Tour Stop:			
1. Keelung City 2 .Keelung Harbor 3 .Buddha Statue 4 .Yehliu Scenery 5 .Queen's Head			

9.	Taroko Gorge Tour	Pick-up time	AM06:00~06:30
Period: AM06:00~PM16:00		Tour Fare: NT\$4500/per	
At: Hotel Lobby		Child Fare:NT\$3700/per	
✂ Includes Round-trip air ticket and lunch			
Itinerary: Pick-up from hotel→Transfer for Taipei Airport→Enplane for Airport→Enbus Taroko Gorge Gateway→Eternal-Spring Shrine→Swallow Caves→Tunnel of Nine Turns→Tienhsiang Lodge→Marble Factory→Chi Shing Beach→Stone Sculptural Park→Enplane for Taipei→Transfer to Hotel			

10	EAST COAST NATIONAL PARK & TAROKO (MARBLE) GORGE TOUR	Pick-up time	AM06:00~06:30
One nights & Two days		Tour Fare: NT\$7200/per	
Pick-up at: Hotel Lobby		Child Fare:NT\$5800/per	
✂ Single Extra : NT\$800		All Inclusive Except Meals	
Itinerary: 1 st day: Pick-up form hotel→Transfer for Taipei Airport→Enplane for Hualien Airport→Enbus Taroko Gorge Gateway→Eternal-Spring Shrine→Swallow Caves→Tunnel of Nine Turns→Tienhsiang Lodge→Marble Factory→Chi Shing Beach→Stone Sculptural Park→Hualien Overnight at Hualien 2 nd day:hotel→Pachi Scenic Lookout→Stone Steps→Caves of the Eight immortals→Umbrella Rock→Sanhsientai→Rueisuei→Huatung Valley→Hualien Airport→Enplane for Taipei			

11	PULI TOWN,SUN MOON LAKE & LUKANG HISTORICAL SITE	Pick-up time	AM08:00~09:00
One nights & Two days		Tour Fare: NT\$4800/per	
Pick-up at: Hotel Lobby		Child Fare:NT\$3900/per	
✂Single Extra : NT\$800 All Inclusive Except Meals			
Itinerary:			
1 st day:Pick-up form hotel→Enbus for Taichung→Sun Moon lake→Lake Bus Tour(Wen Wu Temple→Te Hua Village→Holy Monk Shrine)→Visit Puli Town (A Cultural & Artistic Heaven)→Enbus for Taichung Overnight at Taichung			
2 nd day:Hotel→Lukang Historical Site→Entrain or Enbus for Taipei			

12	EAST COAST NATIONAL PARK & TAROKO (MARBLE) GORGE TOUR	Pick-up time	AM06:00~06:30
Two nights & Three days		Tour Fare: NT\$10900/per	
Pick-up at: Hotel Lobby		Child Fare:NT\$8800/per	
✂Single Extra : NT\$1600 All Inclusive Except Meals			
Itinerary:			
1 st day:Pick-up form hotel→Taipei Airport→Enplane for Kaohsiung Airport→Enbus for Maopitou→Olumpi light house→Kenting→Kaohsiung Overnight at Kaohsiung			
2 nd day:Kaohsiung city tour(Cheng Ching Lake→Spring and Autumn Shrine Pavilions)→ Airport→Enplane for Hualien Overnight at Hualien			
3 rd day:Hotel→Enbus for Taroko Gorge Gateway→Eternal-Spring Shrine→Swallow Caves→Tunnel of Nine Turns→Tienhsiang Lodge→Marble Factory→Enplane for Taipei			

13	5DAYS ROUND THE ISLAND EXCURSION	Pick-up time	AM08:00~09:00
Four nights & five days		Tour Fare: NT\$13600/per	
Pick-up at: Hotel Lobby		Child Fare:NT\$11100/per	
✂Single Extra : NT\$3200 All Inclusive Except Meals			
Itinerary:			
1 st day :Pick-up form hotel→Enbus for Taichung→Sun Moon lake→Lake Bus Tour(Wen Wu Temple→Te Hua Village→Holy Monk Shrine)→Visit Puli Town (A Cultural & Artistic Heaven)→Enbus for Taichung Overnight at Taichung			
2 nd day:Hotel→Lukang Historical Site→Entrain or Enbus for Kaohsiung Overnight at Kaohsiung			
3 rd day :Pick-up form hotel→Maopitou→Olumpi light house→Kenting→Kaohsiung Overnight at Kaohsiung			
4 th day :Kaohsiung city tour(Cheng Ching Lake→Spring and Autumn Shrine Pavilions)→ Airport→Enplane for Hualien Overnight at Hualien			
5 th day :Hotel→Enbus for Taroko Gorge Gateway→Eternal-Spring Shrine→Swallow Caves→Tunnel of Nine Turns→Tienhsiung Lodge→Marble Factory→Chi Shing Beach→Stone Sculptural Park→Entrain for Taipei			

South East Travel Service Tel: +886-2-2571-3001 (24hours)