

Call for Paper

AEARU Joint Workshop – ICASS07 International Collaboration for Asian Sustainable Society

October 25-26, Nanjing, China

October 29-30, Wuxi, China



東亞研究型大學協會

東アジア研究型大学協会

동아시아연구중심대학협의회

The Association of East Asian Research Universities

Hosted by

The University of Tokyo

Co-hosted by (Nanjing Workshop)

Nanjing University

Website: <http://www.earu-ICASS2007.net/>

Scope

Recently, East Asia has undergone a rapid economic development. As a result, serious problems of resource shortage and environmental pollution arose. It is necessary to construct a global cooperation network and find out key solutions to maintain a sustainable development social system. This symposium is thus initiated. Wide topics such as technology incubation and industrial-academia collaboration, resources reduction & recycle, clean & high efficient use of energy, logistics, environmental protection and environmental friendly manufacturing technology will be discussed. Some international cooperation projects & strategies will be expected.

Conference Chair:

Prof. Kimihiko HIRAO, Vice President of The University of Tokyo

Co-Chair for Nanjing Workshop

Prof. Rong ZHANG, Vice President of Nanjing University

Nanjing Workshop October 25-26, Nanjing, China

Part 1: 3rd AEARU Science and Technology Park Workshop: University & Industry Cooperation

Topics

- Presentation of current status of university technology transfer and IP management
- Presentation of current status of start up form university
- Presentation of innovation strategy by university industry cooperation

Part 2: 3rd International Conference on EcoElectronics

Topics

- **Design:** Design tool for electronics on material, process, equipment, reliability, energy system, etc.
- **Materials:** New system of environmentally friendly electronic materials.
- **Energy:** High efficient energy system for electronic product, fabrication process.
- **Fabrication:** Environmentally friendly fabrication process and inverse manufacturing technology.
- **Reliability & Testing:** Technology on the evaluation and analysis of electronic device will be discussed.
- **Reduce, Reuse & Recycle (3R):** Global collaboration and solution for 3R system.
- **Special Session:** “China-Japan joint workshop on UEEE (Used Electric Electronic Equipment) inverse distribution as a part of Circular Economic System in China”

Wuxi Workshop October 29-30, Wuxi, China

Workshop on Engineering for Resources, Energy and Manufacturing Technology

Topics

- *Management of air and water environment*
- *Clean coal technology*
- *Energy production including nuclear technology*
- *Asian logistic research and practice*
- *Cleaning manufacturing technology*

Important Date

Submission of abstract form: **August 30, 2007**

Notification of paper/presentation acceptance: **September 5, 2007.**

Submission of presentation materials or full paper: **September 30, 2007..**

Submission of registration form: **October 5, 2007**

Paper/presentation Submission

- Those who interested in giving presentation are required to submit an abstract of 200-300 words by **August 30, 2007**. The abstract content must include title, author name, affiliation, address, telephone, fax and email, abstract brief. When you submit the abstract, please also mark our which workshop you will attend and give presentation.
- Please inform **which workshop or session** you will attend or give presentation.
- Please send the abstract, paper or presentation by fax to +86-510-8522-5248 or to aearu_ut@su.t.u-tokyo.ac.jp.

Registration

- *Free for members from AEARU universities and pre-registration is needed.*
- *Totally, registration fee of 100US\$ for all three workshops for attendees from non-AEARU universities.*
- *Please fill out and send the registration form to the Secretariat by October 5, 2007.*

Advisory Board Members

Prof. Kazuhiko TAKEUCHI, Director of Division for International Relations, The University of Tokyo
Prof. Yoichiro MATSUMOTO, Dean of School of Engineering, The University of Tokyo
Prof. Yajun ZHOU, Nanjing University
Prof. Akihiko YOKOYAMA, The University of Tokyo
Director, Yuji MIYAUCHI, The University of Tokyo Beijing Representative Office
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Prof. Jie YANG, University of Science and Technology of China
Prof. Jianmin CHEN, Fudan University
Prof. Keyun BI, Chinese Semiconductor Association
President, Masataka ARIYAMA, JAPAN-CHINA Science and Technology Exchange Association
Vice President, Michio YAMAWAKI, JAPAN-CHINA Science and Technology Exchange Association
Mr. Koji AJIKI, Wuxi EcoDesign and Microelectronic Research Institute

Organizing Committee Members

Prof. Satoru TANAKA, The University of Tokyo
Dr. Zhonghua XU, The University of Tokyo
Prof. Keisuke HANAKI, The University of Tokyo
Prof. Hiroyuki YAMATO, The University of Tokyo
Prof. Tetsuo YUHARA, The University of Tokyo
Prof. Toshiya WATANABE, The University of Tokyo
Prof. Sohei SHIMADA, The University of Tokyo
Prof. Fumihiko KIMURA, The University of Tokyo
Prof. Tadatomo SUGA, The University of Tokyo
Prof. Zheng ZHENG, Nanjing University
Prof. Qingxiang GUO, University of Science and Technology of China
Prof. Liuyan YANG, Nanjing University
Prof. Jusheng MA, Tsinghua University
Prof. Xin YANG, Fudan University
Prof. Wenbo DONG, Fudan University
Director, Masatoshi OKADA, JAPAN-CHINA Science and Technology Exchange Association
Mr. Hidetaka HAYASHI, The University of Tokyo

Secretariat [aearu_ut@su.t.u-tokyo.ac.jp/](mailto:aearu_ut@su.t.u-tokyo.ac.jp)

Website: <http://www.aearu-ICASS2007.net/>

China: Dr. Zhonghua XU/ Wuxi Representative Office, The University of Tokyo
TEL/FAX: +86-510-8522-5248

Japan: Ms. Natsuko KAWAMATA/ School of Engineering, The University of Tokyo
TEL: +81-3-5841-6491 FAX: +81-3-5841-6485

Nanjing Workshop: Part I

**3rd AEARU Science and Technology Park Workshop: University & Industry Cooperation
October 25-26, 2007 / Nanjing, China**

In cooperation with **Intellectual Property Association of Japan**
JAPAN-CHINA Science and Technology Exchange Association

Organizing Committee Chairman

Prof. Toshiya WATANABE, The University of Tokyo

Background & Objectives

The knowledge-based industry has become the mainstream in the new economy, and science and technology are the cornerstones of the increasingly rapid development of the knowledge-based economy. We, therefore, plan to invite representatives from East Asian research universities, scholars, and experts involved in technology incubation and industrial-academia collaboration to this international workshop where they can exchange their experiences and policy. By presenting and discussing different cooperation models for technology transfer, start up from university and technological development, science-based industrial parks intellectual property management, we intent to create vibrant and dynamic thoughts about efficient cooperation between university and industry. In turns, the greatest possible economic benefit could spin out from the relationship in all regions.

Language

Official language will be **English**.

Targeted Participants

Representatives, scholars and experts from AEARU member, other Asian universities and industries.

Topics

◆ Special Topics 2007

1. Case Study of successful start ups from university.
2. Case Study of successful venture investment and incubation model.
3. Comparative study of start ups from university and incubation in different Asian countries.

We are planning to invite several speakers for these topics from China, Japan and other areas.

◆ General Topics

1. Presentation of current status of university technology transfer and IP management
2. Presentation of current status of start up from university.
3. Presentation of innovation strategy by university industry cooperation

Proposed Sessions

2 days workshop and nearly 20 oral presentations will be scheduled. Each presentation will be about 20 minutes. Time for Q&A for each session will be assigned.

Presentation or Paper Submission / Registration

When paper submission is planned, please send an abstract to the secretariat by August 30, 2007. Abstract submission requirement and registration form could be found in the attached or downloaded at the website. This workshop will be free for all attendee.

Secretariat: *aearu_ut@su.t.u-tokyo.ac.jp*

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Nanjing Workshop: Part II

3rd International Conference on EcoElectronics

October 25-26, 2007 / Nanjing, China

In cooperation with **School of the Environment, Nanjing University**

Japan EcoDesign Promotion Network

IZM, Fraunhofer Institute, Germany

Japan Science and Technology Agency

IEEE CPMT Beijing Chapter

JAPAN-CHINA Science and Technology Exchange Association

Organizing Committee

Chair: Prof. Tadatomo SUGA, The University of Tokyo

Co-chair: Prof. Zheng ZHENG, Nanjing University

Background & Objectives

This conference focus on environmentally friendly technology in the field of electronics. Ecodesign for electronics is a new hot point and developed so quickly especially when EU, Japan, China and other areas passed a series of environmentally related regulations such as RoHS and WEEE. The 1st and 2nd *International Conference on EcoElectronics* have been hold successfully in Shanghai and Beijing. It created a good chance to the global academic and technical attendee on the communication of environmental friendly electronic technology, policy, strategy and management. We wish the 3rd one could continually to provide a chance of good understanding on the new achievement of eco-electronics.

Language

Official language will be **English**.

Conference Topics

- **Design:** Design tool for electronic material, process, equipment, reliability, energy system, etc.
- **Materials:** New system of environmentally friendly electronic materials including halogen free material, lead free solder, eco-packaging materials for electronics.
- **Energy:** Design & technology on new high efficient energy system for electronics.
- **Fabrication:** Research achievements on the new concept, method and equipment of environmentally friendly fabrication technology, and inverse manufacturing technology.
- **Reliability & Testing:** New technology on the evaluation and analysis of electronic device.
- **Reduce, Reuse & Recycle (3R):** Global collaboration and solution for 3R system of electronic device.
- **Special Session:** "China-Japan joint workshop on UEEE (Used Electric Electronic Equipment) inverse distribution as a part of Circular Economic System in China"

Session Topics

- (1). Perspective view on inverse distribution of commodities between districts with economic disparities.
- (2). Material recycling in China
- (3). 2nd hand market of home appliances and IT equipments in China.
- (4). Circular distribution manufacturing of EEE (Electrical and Electronic Equipment) in China (China Model)
- (5). China model in global recycling
- (6). Discussion in summary

Participants

The conference focused on the new academic achievement and technical progress of eco-electronics. Attendee may come from academic units, industry, organization and government.

Presentation or Paper Submission / Registration

When paper submission is planned, please send an abstract to the secretariat first by August 30, 2007. Abstract submission requirement and registration form could be found in the attached or downloaded at the website of workshop. Totally, registration fee of 100US\$ will be for all three workshops.

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Website: <http://www.aearu-ICASS2007.net/>

China: Dr. Zhonghua XU/ Wuxi Office, The University of Tokyo, TEL/FAX: +86-510-8522-5248

Dr. Yibin CUI/ School of Environment, Nanjing University, +86-25-8369-6150

Japan: Ms. Natsuko KAWAMATA/ School of Engineering, The University of Tokyo

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Wuxi Workshop

**Workshop on Engineering for Resources, Energy, and Manufacturing Technology
October 29-30, 2007 / Wuxi, China**

In cooperation with **Japan-China Environmental and Energy System Promotion Network**
Japan EcoDesign Promotion Network
JAPAN-CHINA Science and Technology Exchange Association

Organizing Committee Chairman

Prof. Satoru TANAKA, The University of Tokyo

Language

Official language will be **English**.

Participants

This workshop focuses on key technologies that are important for Asian Sustainable Society. Issues and methods to solve them will be discussed. The WS consists of five sessions. So attendee will be scholars from academic units, experts or representative from industry & organization, and government.

Sessions

■ Management of air and water environment---Chair: Keisuke HANAKI

Air and water environment is vital issue for human being. Urbanization taking place in many of the developing region deteriorates air and water environment. Higher quality of air and water environment is the target in the developed region. The topics included are water pollution, water supply and wastewater treatment, water resource management, health-related water issue, impact of global warming, air pollution, acid precipitation, risk of air pollutants, and related issues.

■ Clean coal technology---Chair: Sohei SHIMADA

Coal, as an abundant primary energy resource, has been considered as a key resource to maintain a stable future energy supply. However, compared with other primary energy resources, the use of coal usually creates high environmental burden. To overcome this disadvantage, clean coal technology (CCT) is proposed and regarded as a key bridging technology to the future hydrogen society. The national projects regarding CCT have been employed in China (Green Gen Project), USA (Future Gen Project) and other regions. CCT is a promising technology to the Asian countries of abundant coal resources. In this session, the fundamental researches, recent commercial development and national projects of CCT, together with other technologies and strategies of stable future energy supply in Asian countries will be discussed.

■ Energy Production including nuclear technology---Chair: Satoru TANAKA

Rapid increase in energy demands in Asian countries strongly affects global environment and energy supply system in the world. In this session, discussion and possible suggestion will be conducted about how to solve these problems by advanced technology of coal, oil, LNG and nuclear energy systems and effective energy utilization under the environment and supply constraints.

■ Asian Logistic Research and Practice---Chair: Hiroyuki YAMATO

Sustainable developments in Asian countries can be supported by the powerful and efficient logistic system. Countries in Asia have a good variety in the population, custom, economic and geographical conditions. According to the situations in each country, problems and solutions for them may differ. The session is going to discuss on aspects of logistics including domestic and international transportation in countries in Asia. Especially papers dealing the Chinese logistic system will be most welcomed in this session

■ Cleaning manufacturing technology---Chair: Fumihiko KIMURA

This session will focus on the product system design considered service/function which the product provides in its life cycle. Also it include what to design, how to make, how to use and how to treatment.

■ Advanced Packaging Technology---Chair: Tadatomo SUGA

This session will focus on the new advancement of electronic packaging and assemble technology including new material, process, equipment, etc..

Presentation or Paper Submission / Registration

When paper submission is planned, please send an abstract to the secretariat first by August 30, 2007. Abstract submission requirement and registration form could be found in the attached or downloaded at the workshop website. Totally, 100US\$ will be for all workshops including Wuxi and Nanjing Workshop.

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PAPER SUBMISSION

1. **T**hose who interested in giving presentation are required to submit an abstract of 200-300 words by **August 30, 2007**. The abstract content must include title, author name, affiliation, address, telephone, fax and email, abstract brief. Please send the abstract to the secretariat by email or fax.

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2. **P**lease select the workshop that you plan to give your presentation
 - 3rd AEARU Science and Technology Park Workshop: University & Industry Cooperation*
 - 3rd International Conference on Eco-electronics*
 - Workshop on Engineering for Resources, Energy, and Manufacturing Technology*

3. **I**mportant Date

Submission of abstract form: **August 30, 2007**

Notification of paper acceptance: **September 5, 2007**.

Submission of presentation materials or full paper: **September 30, 2007**.

Submission of registration form: **October 5, 2007**

REGISTRATION

1. **P**lease select the workshop that you plan to attend.
 - 3rd AEARU Science and Technology Park Workshop: University & Industry Cooperation
 - 3rd International Conference on Eco-electronics
 - Workshop on Engineering for Resources, Energy, and Manufacturing Technology

2. **F**ee
 - **Free** for members from AEARU universities and pre-registration needed.
 - **Totally, 100US\$** for all three workshops for attendees from non-AEARU universities.
 - **Payment will be done by cash at the workshop site**

3. **P**lease fill the registration form and send it back to the Secretariat by October 5, 2007.

Unit name			
Unit address		Postal Code	
Name	Title	Telephone/Fax	E-mail

Secretariat of “AEARU Joint Workshop-ICASS 2007”.

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LOCATION & TRANSPORTATION

Notification: The organizing committee will arrange location transportation as need for attendees from Nanjing to Wuxi in October 27th and from Wuxi to Shanghai in October 31st.



- “**AEARU Workshop 1-3rd AEARU Science and Technology Park Workshop: University & Industry Cooperation**” and “**AEARU Workshop 2-3rd International Conference on Eco-electronics**” will be scheduled an **Nanjing New Era Hotel**, Nanjing, October 25-26, 2007.

Nanjing New Era Hotel <http://www.newerahotel.com/>

Add : 251-1 Zhongshan Road, Nanjing, China PsoCode : 210008

Tel : 025-86812222 Fax : 025-83302777



Nanjing New Era Hotel is a 4-star hotel, which is near Gulou Square of Nanjing City. The hotel has good location and it will cost:

- ◇ 5 minutes by walk from Nanjing University
- ◇ 3 minutes by walk from subway station
- ◇ 5 minutes by taxi from the city center
- ◇ 50 minutes from the **Nanjing LuKou Airport**

- “**AEARU Workshop 3- Workshop on Engineering for Resources, Energy, and Manufacturing Technology**” will be scheduled an **Hotel Kapok Wuxi**, Wuxi, October 29-30, 2007.

Hotel Kapok-Wuxi http://www.hotel-kapok.com/wx_index.html

Address: 288 Yunhe West Road, Wuxi, Jiangsu Province, China Postcode : 214061

Tel : 0510-8587-6999 Fax : 025-8581-0111



Adjacent to the historic Jinghang Canal and close to quiet Xihui Park, Hotel Kapok boasts ideal location and easy transportation. It cost:

- ◇ 5 minutes by taxi from the city center
- ◇ 10 minutes by taxi from Wuxi railway station
- ◇ 30 minutes from the Wuxi Airport..