

## Activity Report of 4<sup>th</sup> AEARU Advanced Materials Science Workshop

1. Title of the event

4<sup>th</sup> AEARU Advanced Materials Science Workshop on Artificial and Self-Organized Nanostructure Sciences and Nano-Technologies for the Sustainable World

2. Name of host institution

University of Tsukuba

3. Date and venue

August 29th – September 3rd, 2010

University of Tsukuba

4. List of participants (including the names of their universities)

Attached separately

5. Overview

- Theme and sub-themes of the event

The workshop was focused on a rather broad field of Materials Science including bioscience using recently rapidly developing nanotechnologies.

- Purpose / objectives

The workshop is intended to exchange most up-to-date scientific information in the field of Materials Science and nanotechnology, and to establish a forum to foster young researchers, who may become leaders in the next generation in the East Asian countries in the field.

- Background to the event

The workshop is a continuation of the series of workshop in Materials Science held previously in Tohoku University, Japan firstly in 2002, Nanjing University, China secondly in 2007, and POSTECH, Korea, lastly in 2009. We suggest to have a series of workshop in Taiwan next time within two years. Professor Mingwei Hong in National Tsing Hua University in Taiwan is showing his will.

- Target participants

The target participants are focused not only on the senior researchers who have already been established in their own research fields but also on young excellent students and researchers who are going to be leaders in next generation.

- Who was eligible to participate

Although the meaning of the AEARU organization put automatically a certain limitation of the participants within participating universities, we softened the conditions as much as possible. In this regard we invited a few speakers outside the AEARU associations and also we made a decision not to exclude possible participants who come from non-AEARU countries. Indeed we had a few participants who originally came from non-AEARU countries but work in Japan.

- The number of people / institutions that participated in the events  
 Get-together party: 21 people from 9 institutions  
 Banquet: 47 people from 15 institutions  
 Site visit: 7 people from 4 institutions  
 Excursion: 6 people from 5 institutions
- The number of presentations given  
 Invited speakers: 11  
 Oral speakers: 21  
 Poster presentations: 44 (including oral presentation)
- Organizing committee members:  
 a chairman of the workshop: Professor Kazuo Kadowaki,  
 a cochairman of the workshop: Professor Hidemi Shigekawa, Dr. Osamu Takeuchi and Takanari Kashiwagi  
 staff members of international affairs in the University of Tsukuba  
 Nobuhiro Yamada: President, University of Tsukuba,  
 Kazuko Shiojiri: Vice President, University of Tsukuba  
 Shozo Kitta, Director, Department of Global Activities, University of Tsukuba,  
 Masaru Adachi, Head, Division of International Affairs, Department of Global Activities, University of Tsukuba,  
 Toshijiro Ajima, Associate Head, Division of International Affairs, Department of Global Activities, University of Tsukuba,  
 Shigemi Watanabe, Section Chief, Division of International Affairs, Department of Global Activities, University of Tsukuba,  
 Chieko Igarashi, Section Chief, Division of International Affairs, Department of Global Activities, University of Tsukuba,  
 Mari Yashiro, Official, Division of International Affairs, Department of Global Activities, University of Tsukuba,
- Other relevant information and comments  
 Scientific activities such as workshop are strongly depending on the participants. A successful workshop can only be achieved by the active participation of students, researchers, etc. We had an unfortunate situation this time that there is no response from certain Universities within the AEARU association, although we send a call of the workshop information several times. This, however, does not mean that there is no active research in these Universities but we rather believe that there is some mismatching of communication to the scientific researchers, which must be avoided as much as possible.

## 6. Schedule / program

- Names of speakers and presenters  
 included in the abstract booklet.
- Titles of speeches and papers presented

indicated in the abstract booklet

- Details of site visits
  1. Site visit at KEK (High Energy Accelerator Research Organization) and NIMS (National Institute of Materials Science)
  2. Excursion to Nikko (World heritage)
- Details of reception events
  1. Get-together party was held at 29 August, 2010
  2. Banquet was held at 30 August, 2010

7. Other relevant information

- Point of contact for further information

Office of International Affairs, University of Tsukuba  
Ms. Shigemi Watanabe: watanabe.shigemi.fp@un.tsukuba.ac.jp, TEL:+81-29-853-2056
- Reference information

See homepage (<http://kadowaki.ims.tsukuba.ac.jp/conference/index.html>)
- Link to the homepage for the event  
<http://kadowaki.ims.tsukuba.ac.jp/conference/index.html>