

SEED-Net *News*

Quarterly Newsletter of the ASEAN University Network/Southeast Asia Engineering Education Development Network



AUN/SEED-Net Secretariat
Bldg. 2, Room 109-110, Faculty of Engineering,
Chulalongkorn University, Bangkok, Thailand 10330
Phone: +66-2218-6419 to 21 | Fax: +66-2218-6418
Send your stories or comments to: info@aun-seed.net
Subscribe e-newsletter and find past issues at:
www.seed-net.org

Volume 6 Issue 2: July - September 2010 Review

- **Message from JICA**
- **ASEAN Engineering Journal Calls for Papers**
- **Kyoto University Hosts AUN/SEED-Net Conference on Disaster Mitigation**
- **UP Holds Series of EEE International Conferences**
- **Asian School of Automatic Control**
- **Revised Japanese Professor Dispatch Program**

Message from JICA



We started with Phase 2 in March 2008, after the five-year cooperation beginning in 2003. For Phase 2, we have been carrying out activities in good order while receiving tremendous cooperation and commitments from member institutions, Japanese supporting universities, and other concerned parties. The increase of participants to our regional conferences has been particularly noteworthy. At several regional conferences there has been an increase of participants from non-member universities and industry, with this academic and human network starting to function as a more extensive network. With a view toward expanding and strengthening the network, we are preparing to issue the ASEAN Engineering Journal in conjunction with the regional conferences, which are expected to expand to academic institutions in the ASEAN region in the future.

In Phase 2, we will also be carrying out research support activities for graduates who acquired degrees under AUN/SEED-Net. When researchers acquire their degrees it does not mean that they have reached their goals, but rather that they have just lined up on the starting block. There are special expectations that AUN/SEED-Net graduates will achieve strong research results, and will turn out human resources who are capable of contributing to various countries and regions.

Phase 2 activities have marked the halfway point for the five-year period of cooperation in 2010. Now, to develop AUN/SEED-Net to the next stage, I would like to think about the ideal configuration for the future development of ASEAN together with everyone that underpins this network. I would like to ask for the continued cooperation of everyone involved.

萱島信子

Nobuko Kayashima
Director General
Human Development Department
Japan International Cooperation Agency

Don't Miss!

ASEAN Engineering Journal Calls for Papers

As a fruit of the collaboration between all member institutions and Japanese supporting universities, ASEAN Engineering Journal (ASEAN E.J.) supported by JICA Project for AUN/SEED-Net has been launched. The first call for papers has been made now.

The ASEAN E.J. is scheduled to be released four issues per year in both electronic and hard copy formats under the scope of nine engineering fields. The journal publishes following types of papers: *Full Papers*, *Notes*, and *Technical Reports*. *Reviews* are published irregularly on request of AUN/SEED-Net to specified authors.

Papers from faculty members, researchers, and students from all over the ASEAN region are welcome at journal@aun-seed.net. The call and the citation format are available on our web site (www.seed-net.org).

Kyoto University Hosts AUN/SEED-Net Conference on Disaster Mitigation



The 3rd AUN/SEED-Net Regional Conference on Disaster Mitigation entitled “International Symposium on a Robust and Resilient Society against Natural Hazards & Environmental Disaster and the Third AUN/SEED-Net Regional Conference on Geo-Disaster Mitigation” was hosted on August 24-26, 2010 by Kyoto University in Kyoto, Japan in commemoration of the 15th Anniversary of the Kobe earthquake.

Following the fruitful step of last year, the conference on disaster mitigation has been steadily improved to become an international event. Especially hosted by Kyoto University Global COE Program “Sustainability Science for a Resilient Society Adaptable to Extreme Weather Conditions” (GCOE-ARS) in this year, the conference was attended by academicians from various countries and universities around the world. Apart from ASEAN experts and graduate students from the AUN/SEED-Net network, it also attracted those from non-member institutions such as University of Dar es Salaam (Tanzania), University of Wyoming (USA), Chungnam National University (Korea) and Jadavpur University, (India). In total, there were 76 participants, among which 23 participants were co-supported by JICA and GCOE for the travel expenses. Four keynote presentations, two invited speakers and 43 technical presentations were delivered at the conference. Research papers were well grouped in seven technical sessions leading to active exchanges of experiences and knowledge.

After indoor sessions, AUN/SEED-Net participants and graduate students visited “Disaster Reduction and Human Renovation Institute”, Kobe City on August 26. Not only had participants a chance to learn about the Kobe earthquake, its disastrous effects and earthquake resistant technologies, social aspects in term of recovery to those in affected areas were also taken as a good lesson. Afterward, the group was guided by Prof. Koichiro Watanabe from Kyushu University to “Hokudan Earthquake Memorial Park”, Awaji Island, to learn about earthquake fault and geology.

It is worth mentioning that this is the first AUN/SEED-Net’s conference taking place in Japan and hosted by a Japanese supporting university. This depicts committed support from the Japanese side and stronger academic network between ASEAN and Japan. With limited budget from the Project alone, this conference would not have been possible unless it was jointly supported by Kyoto University GCOE-ARS under Prof. Takara’s leadership. In addition, Prof. Junji Kiyono as the Organizing Chair and his team were praised by the participants for their hard work leading to the successful conference.

The next conference on the area of Disaster Mitigation will be held in Phuket, Thailand by Chulalongkorn University (CU) tentatively in October 2011.



Find AUN/SEED-Net Alumni on Facebook

Login to Facebook and search for “AUN/SEED-Net JICA” or go to <http://www.facebook.com/home.php?#!/group.php?gid=19351941823>.

UP Holds Series of EEE International Conferences

To commemorate the University of the Philippines (UP)'s 100th Anniversary, Electrical and Electronics Engineering Institute, UP-Diliman organized on September 8-9, 2010 a series of three international conferences: the International Conference on System on Chip Design Challenges (ICoSoC 2010) which was also the 3rd AUN/SEED-Net Regional Conference in Electrical & Electronics Engineering (EEE) field, the 2010 International Symposium on Multimedia and Communication Technology (ISMAC 2010) which was the consecutive symposium to the 1st AUN/SEED-Net's conference in the fiscal year 2008, and the 2010 International Workshop on Smart Info-Media Systems in Asia (SISA 2010).

The events drew altogether 204 participants, of which 62 participating in ICoSoC 2010, 110 in ISMAC 2010 and approximately 30 in SISA 2010. Particularly for ICoSoC participants, 20 of them were faculty members from AUN/SEED-Net's member institutions, two were Japanese Professors and one was PhD student in Japan. The rest of the participants included students and faculty staff from UP and local universities such as Mapua Institute of Technology and Mindanao State University-Iligan Institute of Technology.

All participants attended the joint plenary session that presented four distinguished keynote speakers; namely, Prof. Jan Rabaey, University of California Berkeley (USA), Prof. Prasit Prapinmongkolkarn, National Telecommunication Commission of Thailand, Prof. Hiroaki Kunieda, Tokyo Institute of Technology, (Japan) and Prof. Takashi Toyoshima, Kyushu Institute of Technology (Japan). ICoSoC participants also received privileged opportunity to learn updated technology from the research of Prof. Nobuo Fujii, Tokyo Institute of Technology.

Tentatively the next AUN/SEED-Net Regional Conference in EEE will be held in January 2012, the venue of which to be confirmed.



Asian School of Automatic Control

Faculty of Engineering, Chulalongkorn University (CU) in cooperation with Commission on Higher Education of Thailand, and AUN/SEED-Net will arrange the 2011 Asian School of Automatic Control (ASAC2011) on January 19-21, 2011. Objectives are to establish a network of students and young staff in automatic control and to promote collaboration between AUN/SEED-Net and other networks on education to ASEAN countries.

Delivered by renowned professors, the three-day lecture on Advances in Automatic Control Systems for Sustainable Industries includes topics of advanced process control, robotics, renewable energy, food biotechnology, biomedical engineering, impacts to environment, disaster mitigation, and water management.

The ASAC2011 is open for applications from young teaching staff and graduate students from ASEAN who are interested in automatic control study until November 15, 2010. Selected applicants will receive support of travel expenses from the event sponsors. For inquiries, please contact the organizer directly at ASAC.2011@gmail.com.

Revised Japanese Professor Dispatch Program

Continued from page 4

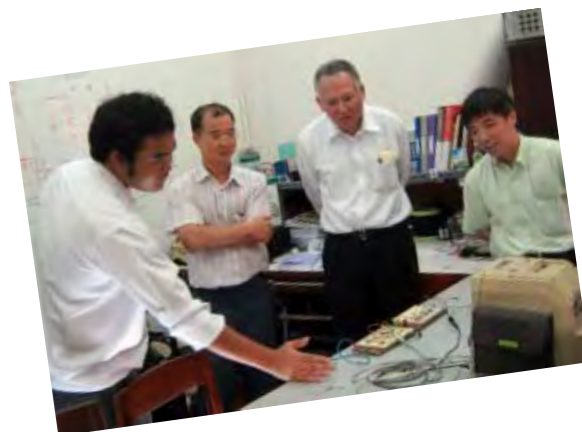
For the fiscal year 2010, 80 quotas of dispatches are provided by the AUN/SEED-Net Project. Seven quotas are allocated to each of the nine fundamental fields and two quotas to each of the five interdisciplinary research areas, which support dispatches of Japanese professors to host institutions plus other member institutions in a maximum of two more countries in one connected trip. And seven quotas are reserved for direct dispatches only to the member institutions in Cambodia, Laos, Myanmar, and Vietnam.

Those who are interested to invite Japanese professors are advised to contact the Head of Host Program at respective host institutions in order to finalize the proposal and submit to AUN/SEED-Net.

Revised Japanese Professor Dispatch Program

AUN/SEED-Net has attempted to strengthen academic network between ASEAN and Japan for several years. One of our activity is to support dispatches of Japanese professors to ASEAN countries with the purposes for research collaboration and educational capacity enhancement.

The Japanese Professor Dispatch Program (JPDP) is designed for these purposes. The Program supports Japanese professors' trips to AUN/SEED-Net member institutions to supervise AUN/SEED-Net students, initiate relationship with academic bodies in member institutions, discuss research collaboration, conduct research experiments, pay site visits, give lectures, as well as participate in AUN/SEED-Net Regional Conferences (RCs) to give keynote speech and involve in the AUN/SEED-Net discussion.



| Inviting Institution | Quota | Submission Schedule |
|--|---|--|
| Host & non-host institutions (except for Singapore and Brunei) | 7 per each fundamental field* + 2 per each RC in interdisciplinary area | Tentative summary plan by host institutions: July 31, 2010 |
| Non-host institutions in Cambodia, Laos, Myanmar, and Vietnam | 7 on first-come-first-served basis | Individual application: 3 months prior to the dispatch |

**Maximum 4 for RC in host institution's city; maximum 2 for RC in non-host institution's city with up to 2 more quotas if the extras extend trips to host institutions before or after the RC; remaining quotas are for other purposes in both fundamental and interdisciplinary research areas.*

Recently, the Program has been modified for the better-than-ever benefits. Direct dispatches to non-host institutions only, which previously were not implemented, have become possible with special quota set aside for **direct dispatches only to the member institutions in Cambodia, Laos, Myanmar, and Vietnam** in order to boost academic collaboration. Dispatches of Japanese professors to the non-host institutions in other countries may be possible with acknowledgement of the host institution side.

Continued on page 3



Upcoming Events

Find latest schedules and more details at <http://www.seed-net.org/calendar.php>

- October 13-14, 2010 The 3rd Regional Conference on New & Renewable Energy @ Penang, Malaysia
- October 25-26, 2010 The 3rd Regional Conference on Natural Resources & Materials: Sustainable Society Development in ASEAN through Networking in Natural Resources and Materials @ Langkawi, Malaysia (<http://aunseednet.eng.usm.my/rcnrm2010>)
- November 8, 2010 The 17th AUN/SEED-Net Steering Committee Meeting and Year 2010 Annual Meeting @ Bandar Seri Begawan, Brunei Darussalam
- November 11-12, 2010 UP ICE Centennial International Symposium with AUN/SEED-Net: 3rd Regional Conference on Civil Engineering and Environmental Engineering @ Manila, the Philippines
- November 22, 2010 AUN/SEED-Net Open House @ Hanoi University of Science and Technology, Vietnam
- November 24, 2010 AUN/SEED-Net Open House @ Institute of Technology of Cambodia, Cambodia
- November 25-26, 2010 The 1st International Conference on Materials Engineering (ICME) and the 3rd AUN/SEED-Net Regional Conference on Materials Engineering (RCM) 2010 @ Jogjakarta, Indonesia (<http://icme2010.ugm.ac.id>)
- November 25-26, 2010 The 3rd Regional Conference on Geological Engineering Research in ASEAN: Sustainable Geological Education @ Siem Reap, Cambodia
- December 8-9, 2010 The 3rd Regional Conference on Manufacturing Engineering @ Malacca, Malaysia (<http://apiems2010.um.edu.my/~aunseednet/aunseednet/>)
- January 20-21, 2010 The 3rd Regional Conference in Chemical Engineering @ Manila, the Philippines