

# SUMMER SCHOOL

August 6-10, 2012



The University of Tokushima  
Japan



## Sponsors:

1. The University of Tokushima
2. The International Center
3. Center for International Cooperation in Engineering Education (CICEE)
4. FD Committee, Faculty of Engineering
5. Faculty of Integrated Arts and Science

## Introduction

The University of Tokushima is pleased to invite you to participate in the International Summer School which runs from 6 to 10 August, 2012. The Summer School Program was initiated by Center for International Cooperation in Engineering Education (CICEE) to build the understanding and awareness of course subject as well as to increase the knowledge and practical skills.

The prime aim is to provide the platform to young scientists involved in interdisciplinary research and to develop collaborative partnerships on different areas.

## Location

Tokushima city is located in the eastern part of Shikoku island. The population of Tokushima is about 500,000. The Kansai International Airport is located 180 km away from Tokushima. The Tokushima city has connected by bus with the Kansai International Airport (165 min).

## Who can apply?

The Summer School is open to the Doctoral students and Master students who are working on Nanotechnology Materials Science; Electrical and Electronic Engineering; Civil and Environmental Engineering, and related topics. Researchers must be affiliated to a university and have a good knowledge of English.

## How to apply

Applicants should submit:

1. A completed application form (found on our website).
2. Letter of Motivation includes few lines about your research topic and the progress you have made in your research (300 words).

Completed application form should be sent by an email to [koinkar@cicee.tokushima-u.ac.jp](mailto:koinkar@cicee.tokushima-u.ac.jp)

## Deadline for application

The call for applications closes on **31<sup>st</sup> May, 2012**. You will be notified by email around 15th June about your acceptance.

## Certificate

All participants registered for Summer School, they will receive an official certificate from The University of Tokushima. The course leads to 2 credits. However, these credits points are recognized depends on each participant's university and Master/PhD program.



## Local Organizing Committee

Prof. Tokuo Ohnishi	(Chair)
Prof. Ri-ichi Murakami	(Vice-Chair)
Dr. Pankaj Koinkar	(Secretary)
Ms. Sawa Asada	(Assistant)

## Contact

Center for International Cooperation in Engineering Education (CICEE),  
The University of Tokushima  
2-1 Minamijosanjima Cho,  
Tokushima- 770-8506,  
Japan  
Phone. and Fax : +81-88-656-7643

## Program

The Summer School runs for one week. The Summer School is suitable for Master and PhD students who have decided on a research topic and have already started some research activities. It offers a series of courses taught in English as follows:

### 1. Nanotechnology and Material Science

This course will focus on recent developments in advanced materials and nanotechnology. The basic purpose is to promote and enhance the intensive theoretical and experimental approach to study of various advanced materials and their properties. This course will bring together researchers in the field of Physics, Chemistry, Nanotechnology, Advanced materials, Characterization technique and Synthesis methods. Thus, this course is planned to help participants who are involved in the fundamentals and application of Materials Science and Nanotechnology. In addition, participant will have an opportunity to meet the experts and visit the laboratories.

### 2. Electrical and Electronic Engineering

This course will focus on recent works in electrical and electronic engineering. Electrical and electronic engineering plays an important role in the recent revolution of science and technology, and is still rapidly developing. To meet those revolution and development, this course covers a wide variety of sciences and technologies to electrical and electronic engineering from fundamentals to advanced applications. In particular, the topics of this course will be selected from all the following four research areas: (1) Material and Device Science, (2) Electric Energy Engineering, (3) Communications, Controls, and Medical Engineering, and (4) Intelligent Networks and Computer Sciences. Participants will have an opportunity to meet the experts and to visit the laboratories.

### 3. Information Science and Intelligent Systems

This course will introduce the current development in Information Science and Intelligent Systems. The topics in the course include (but not limited to): (1) Applications of Pattern Recognition Methods, (2) Image Processing for Feature Extraction, (3) Advance Topics in Edutainment, E-Learning and Ubiquitous Systems (4) Introduction to Internet Security and Encryption Methods, (5) Topics in Object Recognition and Application to Robotics, (6) Semiconductor devices and their application, (7) Introduction to Natural Language Processing, (8) Introduction to Microprocessors, among others. In addition, some professors will offer you an opportunity to visit their laboratories for demonstrations and a chance to interact with other members of the laboratories.



### Social Events and Summer School fees

Summer School students will join social events. Social events includes day visit to Akashi bridge, Intercultural party, and sightseeing. Summer School fees amounts to 3000 Yen. The Summer School fee includes the social program and sightseeing. The Summer School fees will be collected at the registration on 5th August.

## Registration form

1. Family Name : .....
  2. First Name : .....
  3. Gender: ☐ Male ☐ Female
  4. Tel. : .....
  5. Fax : .....
  6. E-mail : .....
  7. Postal Address for Correspondence :  
.....  
.....
  8. Nationality : .....
  9. Passport Number : .....
  10. Date and Place of Birth :  
.....
  11. University : .....
  12. Education Background :  
☐ Master ☐ PhD
  13. Which course you want to apply for  
☐ Nano. & Mat. Sci. ☐ Ele. & Electr. Engg  
☐ Inf. Sci & Int. Syst.
  14. Do you wish to be considered for a Financial assistance toward travel expenses:  
☐ Yes ☐ No
  15. Letter of Motivation (300 words):  
(Attached separate sheet)
- I declare that the information reported on this form is true and complete
- Signature .....
- Date : .....