Did you ever dream of joining one of the top 10 universities in the world such as Purdue? Have you thought about pursuing your Ph. D. studies in a top UK school such as Southampton? Would you like to gain practical and hands-on experience in state of the art technologies such as low power design methodology, organic transistor design, nano-scale technology, static timing analysis, optimization tools, parallel and distributed systems? Would you like to be in contact and deal with the most well-known professors in world-recognized universities over the world? If your answers were yes to any of the above questions, then you are more than welcome to join.

Summer School

Power Analysis, Modeling, Design and Optimization at Nano-Scale Technology

10-14 June, 2012

JORDAN – Jordan University of Science & Technology

In the context of an FP7, International cooperation “JEWEL” project (www.ict-jewel.eu) an international Summer School will be organized by the Jordan University of Science and Technology (JUST). The Summer School will have a title of “Power Analysis, Modeling, Design and Optimization” and its thematic area will be concentrated in the analysis and the design of circuits and systems using modern technologies. It will include analysis of the effects met in nanoscale circuits, modeling and timing analysis, power analysis, design methods for high-speed, low-power circuits and embedded systems, modeling and design using organic transistors as well as optimization methods and tools.

The audience of the summer school will mainly consist of graduate students of JUST. However, faculty members, researchers, students from other universities of Jordan, specialists from organizations or companies, as well as students and researchers from other Mediterranean countries will be encouraged to participate in this event.

The main objectives of this summer school are:

1. To bring in touch the academic community of Jordan with prominent European professors and researchers, active in FP7 and other European research projects, enhancing the links of local community with Europe in the area of ICT.
2. To give the opportunity to recruit new students and candidates of the region for participating in research
3. To create an environment for high quality scientific brainstorming and interaction between European and local researchers increasing the horizons of Jordanian researchers and stimulating participation in common projects.

The summer school will have lectures in the following areas:

- Leakage Mechanisms and Reduction Techniques at Nanotechnology Nodes, Prof. Kaushik Roy, Purdue, USA,
- Energy efficient and reliable embedded systems, Prof. Bashir Hashimi, Southampton, UK,
- Design of Low Power Analog and RF in Nanometer CMOS, Prof. Mohammed Ismail, KTH, Sweden, currently with KUSTAR, UAE,
- Optimization and Tools, Prof. Mohammed Malkawi, Cambium Networks, USA,
- Static Timing Analysis, Prof. Jaan Raik, Tallinn, Estonia,
- Organic Transistor and Design at Nano-technology, Prof. Rodrigo Picos, UIB, Spain,
- Modeling Techniques of CMOS Gates at Nano-scale Technology, Prof. Spiros Nikolaidis, AUTH, Greece,
- Project Strategic & Success Stories in ICT, Soraya Bernard, inno, France.

Registration is Free

Register now in http://www.ict-jewel.eu/SummerSchool or contact with Dr. Abdoul Rjoub/Coordinator for any comments at jewel.workshops@gmail.com, Tel: +962776546989

http://www.ict-jewel.eu