



National Technical University of Ukraine
"Kyiv Polytechnic Institute"
Faculty of Electronics



Korea University
College of Engineering
School of Electrical Eng

1st KPI-KU e-Conference on Nanoelectronics

To encourage the cooperation and the collaboration between the KPI and the KU, the First Korean-Ukrainian online conference on nanoelectronics will be held on **December 9, 2010 on 10⁰⁰** (Ukrainian time), **16⁰⁰** (Korean time) at **room #258, 1st building of NTUU "KPI"** (Ukraine) and at room **#462, Engineering Building, "KU"** (Republic of Korea).

Program

- NTUU "KPI", Faculty of Electronics

- (1) Nanocrystalline silicon thin films, doped with Eu and Y, for optoelectronics (Victoria Koval, PhD Student)**
- (2) Microelectronic sensors on the basis of nanostructured cerium oxide films (Nalattia Maksymchuk, PhD Student)**
- (3) Simulation of resonant-tunneling diode (Artem Fediai, PhD Student)**
- (4) Electrodynamic calculation and electromagnetic simulation of dielectric resonators (Borys Pratsiuk, PhD Students)**

- KU, College of Engineering, Brain Korea 21 Research Division for IT

- (1) Semiconductor nanowire-based p-n heterojunction light-emitting diodes (Kwangeun Kim) (PhD student)**
- (2) fd Filamentous Phages for bio-electronic devices (Dae-Young Jeon, So-Jeong Park, PhD students)**
- (3) An Energy Efficient VPPGenerator with Fast Ramp-up Time for Mobile DRAM (Kyu-Young Kim, PhD student)**

Organizing Committee

Heads

Man-Young Sung, Ph.D, Professor, Dean of College of Engineering

Yurii Yakymenko, Doctor of Technical Sciences, Professor, Head of Microelectronics Department

Vice-heads

Sangsig Kim, Prof. Director of BK21 Research Division for Information Technology

Valerii Zhuikov, Doctor of Technical Sciences, Professor, Dean of Faculty of Electronics NTUU "KPI"

Nataliya Saenko, PhD, Dean of Faculty of Linguistics

Members

Gyu-Tae Kim, PhD, Prof. Associate Director, Semiconductor Research Institute (SERI)

Anton Popov, PhD, Vice-dean of Faculty of Electronics on Science and International Collaboration

Tatiana Kuchinskaya, PhD, Head of Department of Academic Mobility

Olga Pavlenko, PhD

All teaching staff and BSc, MSc and PhD students are warmly invited to visit e-conference and take part in discussion. You can also join online at <http://gclass.korea.ac.kr/kpiku>

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