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**Special Session Call for Papers**  
**International Symposium on Computer, Consumer and**  
**Control, 2014**

**Special Session Organizer:** *Prof. Yu-Hsien Lin*

**Session Name:** *Microelectronics and Nanometer Structures*

Introduction/ Call for papers

The microelectronics industry faces significant challenges to continue increasing performance and shrink in recent decades. New and improved metrology and characterization is required to support these advances in density and functionality. This special session invites submissions of papers regarding all aspects of the characterization technology needed for nanoelectronic materials and device research, development, and manufacturing. All approaches are welcome: chemical, physical, electrical and optical. Publishes original and significant contributions relating to the theory, modeling, design, performance and reliability of Microelectronics, Nanometer Structures, and semiconductors are invited sincerely.

**Indicative Topics/Areas**

The topics of interest include, but are not limited to

- Compound semiconductor electronics and optoelectronics
- Devices for energy conversion and storage
- Dielectrics in micro- and nanoelectronics
- Group IV semiconductor microelectronics
- Microelectromechanical and nanoelectromechanical systems and devices (MEMS & NEMS)

- Nanometer science and technology
- Nanostructured materials and devices including nanowires, nanoparticles and quantum dots,
- Organic and molecular electronics
- Photovoltaics based on nanostructured materials, dye-sensitized and other excitonic solar cells

Prospective contributors are invited to submit their paper to Prof. Lin by email [yhlin@nuu.edu.tw](mailto:yhlin@nuu.edu.tw). Authors are invited to submit manuscripts reporting original unpublished research and recent developments. Manuscripts should be written in English. All accepted papers within 4 pages and within 10 references will be published in [IEEE Xplore](#), which will be applied for EI Compendex/ISTP index.