

Tohoku University-National Chiao Tung University 2nd Technical Workshop 2017

November 3, 2017

Meeting Room 1, Exhibition Building in Sendai International Center

Moderator: Seiji Samukawa (Tohoku University) and Yiming Li (NCTU)

By commemorating the establishment of the liaison office between Tohoku University and National Chiao Tung University, a joint technical workshop will be held during the international conference on fluid dynamics on November 3, 2017. Professor Hideo Ohno (RIEC Tohoku University) and Prof. Yuan-Pern Lee (NCTU) are invited as keynote speakers. Other prominent researchers in the field of materials, electronics, and bio-medicine from both universities will also have invited talks in this joint workshop.

13:05-13:10 **Opening Remarks**, Shigeru Obayashi (Tohoku University, Japan)

1)13:10 **Spintronics, a Route to Stand-by Power-Free Integrated Circuits**
(*Keynote*)

Hideo Ohno (Tohoku University, Japan)

2)13:55 **Exploring Reactions of Criegee Intermediate CH₂OO using a Step-Scan FTIR Spectrometer** (*Keynote*)

Yuan-Pern Lee (National Chiao Tung University, Taiwan)

14:40 Break

3)14:50 **Developments of Micro/Nanoelectromechanical Resonant Devices** (*Invited*)

Takahito Ono (Tohoku University, Japan)

4)15:20 **3D Network for Smart Campus** (*Invited*)

Jenn-Hwan Tarng (National Chiao Tung University, Taiwan)

5)15:50 **3D-IC Technology and Its Application to Fully Implantable Retinal Prosthesis** (*Invited*)

Tetsu Tanaka (Tohoku University, Japan)

16:20 Break

6)16:30 **BioICT Research** (*Invited*)

Yuh-Jyh Jong (National Chiao Tung University, Taiwan)

- 7)17:00 **Hidden structural order in glassy materials** (*Invited*)
Akihiko Hirata, Takeshi Fujita, Motoko Kotani, Mingwei Chen
(Tohoku University, Japan)
- 8)17:30 **Nano-twin Copper formation for advanced packaging** (*Invited*)
Chih Chen (National Chiao Tung University, Taiwan)

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