IEEE NMDC 2013 will be held in the ancient capital city of Taiwan (Tainan) on Oct. 6-9 following the Taiwan Nano Week & Exhibition to be held in the World Trade Center, Taipei on Oct. 2 -5, 2013.

**Conference Scope**

IEEE NMDC 2013 aims to foster communication between the diverse groups interested in nanodevices, nanoscale and low-dimensional materials. Interdisciplinary exchange between scientists and contributions from industrial researchers will help inspire a new perspective on this exciting area.

- Emerging material and device challenges in futuristic nanoelectronics
- Nanomaterials for next-generation lithium batteries
- Nanodiamond and nanocarbons: materials and devices
- Fundamentals and applications of graphene, low dimensional materials and devices: nanotubes, nanowires, quantum dots.
- Nanomagnetics, spintronics and piezoelectronics
- Nanobiomedical materials applications
- MEMS/NEMS
- Materials and devices for energy and environmental applications
- Simulation and modeling
- Commercializing and Nanomanufacturing
- Education in nanotechnology

**Honorary Chairs**

Ching-Wu Chu, Taiwan Comprehensive University System, Taiwan

Hwung-Hweng Hwang, National Cheng Kung University, Taiwan

Chung-Yu Wu, National Chiao Tung University, Taiwan

**General Chair**

Yonhua Tzeng, National Cheng Kung University, Taiwan

**Program Committee Chairs**

Shou-Jinn Chang, National Cheng Kung University, Taiwan

Mario Hofmann, National Cheng Kung University, Taiwan

**Plenary Speakers (to be updated)**

Ching-Wu Chu, Taiwan Comprehensive University System, Taiwan & University of Houston, USA

Tso-Ping Ma, Yale University, USA

Chenming Calvin Hu, University of California, Berkeley, USA

Zhong-Lin Wang, Georgia Institute of Technology, USA

Rodney Ruoff, University of Texas, Austin, USA

Khalil Amine, Argonne National Lab, USA

Chung-Yu Wu, National Program on Nano Technology, Taiwan

**Keynote Speakers (to be updated)**

Orlando Auclerc, University of Texas at Dallas, USA

Dean Ho, University of California, Los Angeles, USA

Shin’ichi Ishiwata, Waseda University, Japan

Chennupati Jagadish, Australian National University, Australia

Bor Z. Jang, Wright State University and Angstrom Materials, Inc., USA

Bill Milne, University of Cambridge, UK

Shinichiro Takagi, University of Tokyo, Japan

His-Sheng Teng, National Cheng Kung University, Taiwan

Kang L. Wang, University of California, Los Angeles, USA

Maw-Kuen Wu, National Dong Hwa University, Taiwan

**Invited Speakers: (To be updated)**

Yasuhiro Arakawa, University of Tokyo, Japan

Jayasimha Atulasimha, Virginia Commonwealth University, USA

Francesco Bonaccorso, Cambridge University, UK

Edward Yi Chang, National Chiao Tung University, Taiwan

Yia-Chung Chang, Academia Sinica, Taiwan

Chia-Chun Jay Chen, National Taiwan Normal University, Taiwan

Chao-Hsin Chien, National Chiao Tung University, Taiwan

Po-Wen Chiu, National Tsing Hua University, Taiwan

Jang Wook Choi, Korea Advanced Institute of Science and Technology, S. Korea

Silke Christiansen, Max Planck Institutes, Germany

Meyng Chau, Academia Sinica, Taiwan

Daniel Chua, National University of Singapore, Singapore

Yu-Lun Chueh, National Tsing Hua University, Taiwan

Andrew Flewitt, University of Cambridge, UK

Hiroyuki Fujita, University of Tokyo, Japan

Anand Gadre, University of California, Merced, USA

Wenping Hu, Chinese Academy of Sciences, China

Jung-Chun Huang, National Cheng Kung University, Taiwan

Ru Huang, Peking University, China

Bing-Joe Hwang, National Taiwan University of Science and Technology, Taiwan

Xingyu Jiang, Chinese Academy of Sciences (National Nano Center), China

Justin C. Koepke, University of Illinois, USA

Yasuo Koido, National Institute for Materials Science, Japan

Ching-Ting Lee, National Cheng Kung University, Taiwan

Feng-Min Lee, Macronix International Co., Taiwan

Lain-Jong Li, Academia Sinica, Taiwan

Wen-Jung Li, City University of Hong Kong, Hong Kong

Ching-Fuh Lin, National Taiwan University, Taiwan

Yu-Ming Lin, Bluestone Global Tech Ltd., USA

Chee-Wee Liu, National Taiwan University, Taiwan

Chuan-Pu Liu, National Cheng Kung University, Taiwan

Dongsheng Liu, Tsinghua University, China

Jack Luo, University of Bolton, UK

Wanli Ma, Soochow University, China

Joel Moser, Institute of Photonic Sciences (ICFO), Spain

Masayuki Nakamoto, Shizuoka University, Japan

Shunri Oda, Tokyo Institute of Technology, Japan

Takahito Ono, Tohoku University, Japan

Makarand Paranjape, Georgetown University, USA

Kui-Qing Peng, Beijing Normal University, China

Lian-Mao Peng, Peking University, China

Tian-Ling Ren, Tsinghua University, China

Wen-Cai Ren, Shenyang National Laboratory for Materials Science, China

Seiji Samukawa, Tohoku University, Japan

Ricchiro Saito, Tohoku University, Japan

Jia-Min Shieh, National Nano Device Laboratories, Taiwan

Kazu Suenaga, National Institute of Advanced Industrial Science and Technology, Japan

Anirudha V. Sumant, Argonne National Lab, USA

Baoquan Sun, Soochow University, China

Takaaki Tomai, Tohoku University, Japan

Ching-Chun Wang, Taiwan Semiconductor Manufacturing Company Limited, Taiwan

Yuh-Lin Wang, Academia Sinica, Taiwan

Bingqing Wei, University of Delaware, USA

Kung-Hwa Wei, National Chiao Tung University, Taiwan

Hung-Duen Yang, National Sun Yat-sen University, Taiwan

Leslie Yeo, Royal Melbourne Institute of Technology University, Australia

Ta-Hsun Yeh, Realtek Semiconductor Corp., Taiwan

Yee-Chia Yeo, National University of Singapore, Singapore

Qing Zhang, Nanyang Technological University, Singapore

**Important deadline:**

- Abstracts Due: Deadline has been extended to June 20, 2013
  (1 page text & 1 page figures)
- Notification of Acceptance: July 10, 2013
- Authors registration deadline: August 8, 2013
- Discounted early-bird registration deadline: August 8, 2013
- Late news abstract submission deadline: September 1, 2013
- Full Manuscripts (optional) Due: September 1, 2013

Accepted full papers will be published by EI-indexed IEEE Xplore. Extended full papers are encouraged for submission to IEEE Transactions on Nanotechnology directly for peer review and publication.