



Northeastern
UNIVERSITY



Hanyang University

Call for Papers

The 7th International Surface Preparation/Cleaning Workshop

The goal of this workshop is to increase the understanding of surface preparation and cleaning in semiconductor, FPD glass, photovoltaic and nano-bio systems. The workshop will present and discuss current and future challenges and solutions from conventional semiconductor fabrication, FPD and solar cell to nano-bio surfaces for various process and application. The workshop will give end-users, researchers and suppliers a forum to discuss new technologies, solutions and limitations in meeting surface preparation/cleaning needs to extend conventional knowledge to future nano-bio area. The Conference will include invited and contributed presentations and panel discussions.

When: October 27 - 29, 2010

Where: Northeastern University, Boston, MA (Raytheon Amphitheater)

Authors are encouraged to include new experimental results and findings in their presentations. Topics include, but are not limited to:

- New and emerging cleaning technologies
- Physical cleaning techniques (megasonic, brush, laser, etc.) Damage issues
- Fundamentals on particle interaction with substrates in different media
- Post-CMP cleaning challenges and solutions
- Surface cleaning for Cu and low-k and high-K dielectrics
- Dry etch residues and polymer removal
- FPD glass cleaning
- Mask and EUV mask cleanings
- Economical (Cost of Ownership) and environmental (EHS) impact of surface cleaning
- Solar cell surface preparation and cleaning
- Surface preparation and cleaning in Nanomanufacturing
- Surface preparation and functionalization on nano-bio sensors and chips

Potential Presenters: Prospective authors are requested to submit an abstract of 200-300 words that includes a summary of significant results and a short biography by **October 1**. Authors selected to present at the symposium will be notified shortly after the above deadline.

Please include presenter's name, title, company, address, telephone, fax and email to: Jessica Viator, Administrative Officer, NSF Center for Microcontamination Control, Tel: 617-373-6012
Fax: 617-373-3266 Email: jviator@coe.neu.edu,
URL: www.cmc.neu.edu

For further information, please contact the Workshop Chair:

Ahmed Busnaina, William Lincoln Smith Professor and Director

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