



ASMC 2012 Call for Papers

www.semi.org/asmc2012

Abstract Deadline—October 24, 2011

Semiconductor Equipment and Materials International (SEMI), IEEE Electron Devices Society (EDS), and IEEE Components, Packaging, and Manufacturing Technology Society (CPMT) invite microelectronics professionals at all levels of experience from around the world to submit abstracts for **SEMI Advanced Semiconductor Manufacturing Conference 2012**.

ASMC continues to be one of the leading international technical conferences for discussing solutions that improve the collective manufacturing expertise of the semiconductor industry. Solving the challenges presented by semiconductor manufacturing has been a combined effort by device makers, equipment and materials suppliers and academics. ASMC provides an unparalleled platform for semiconductor professionals to network and learn the latest in the practical application of advanced manufacturing strategies and methodologies. Papers selected for presentation at ASMC 2012 may be considered for the IEEE Transactions on Semiconductor Manufacturing special section.

Papers are peer reviewed and are selected based on a clear outline of problem, analysis, solution/results and conclusion. Presentations on original, non-commercial and non-published works are being solicited in topic areas:

- AM: Advanced Metrology
- AEM: Advanced Equipment and Materials Processes
- AP/DFM: Advanced Patterning / Design for Manufacturability
- APC: Advanced Process Control
- CFM: Contamination Free Manufacturing
- DM: Data Management and Data Mining Tools
- DI: Defect Inspection and Reduction
- ER: Equipment Reliability and Productivity Enhancements
- ET / ID: Enabling Technologies and Innovative Devices
- FA: Factory Automation
- GF: Green Factory
- IE: Industrial Engineering
- LM: Lean Manufacturing
- 3D/TSV: Packaging and Through Silicon Via
- YE: Yield Enhancement/Learning
- YM: Yield Methodologies

Author Instructions

Papers co-authored by a device manufacturer, equipment or materials supplier, and/or academia that demonstrate innovative, practical solutions for advancing semiconductor manufacturing are highly encouraged. Original, non-commercial and non-published works are being solicited in specific categories. Peer-reviewed papers are selected based on a clear outline of problem, analysis, solution/results and conclusion. Authors are requested to provide an extended abstract of no more than one page of text (max. of 1000 words, MS Word or PDF) with an additional page including supporting data and figures. For templates and further instructions, visit our web site: www.semi.org/asmc2012

Important Dates *(subject to change)*

<ul style="list-style-type: none">• Abstracts Due: October 24, 2011• Author Notification: December 16, 2011• Preliminary Manuscripts Due: March 7, 2012	<ul style="list-style-type: none">• Final Manuscripts Due: April 25, 2012• Presentations Due: May 7, 2012• Conference Dates: May 15-17, 2012
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For additional information, visit www.semi.org/asmc2012 or email mkindling@semi.org