



26

Semiconductor Thermal Measurement and Management Symposium
Hyatt Hotel, Techmart, Santa Clara, CA, USA
February 21-25, 2010

CALL FOR PAPERS

SEMI-THERM is the world's leading forum on the thermal management of electronics. For 26 years it has fostered the exchange of knowledge between practicing thermal engineers, professionals and industry experts, while showcasing the latest academic and industrial advances in electronics thermal management.

In its 27th year, SEMI-THERM will include Invited Speakers, Panel Sessions, Technical Sessions, Short Courses, an Evening Tutorial, Exhibits and dedicated Vendor Workshops. SEMI-THERM actively solicits student papers and awards travel stipends and reduced conference fees to student participants. Those papers deemed to be among the best in the conference will be invited to be published in the *IEEE Transactions on Components and Packaging Technologies*.

Subjects of Particular Interest

SEMI-THERM is soliciting papers on current thermal management technologies and practical application issues, modeling and measurement of electronic components and systems including, but not necessarily limited to, the following areas:

Component Level Thermal Management Die, Package	Experimental Analysis Liquid Cold Plates, Manifold Microchannels, DOE
System Level Thermal Management Boards, Enclosures	Multidisciplinary Thermal Design Acoustic interactions, Cost Trade-Off, Design for Reliability
Chip & System Packaging Materials TIMs, Heatspreaders, Nanomaterials, Material Characterization	Datacenter Thermal Management Metrics, Best Practices, Efficient Layout, Industry Trends
Modeling CFD, Compact Models, FEM/BEM, Novel Approaches	Thermal-Aware Design Energy Usage-optimized Designs, Leakage Power, CPU Power management, Airmover Control Technologies
Traditional & Enabling Technologies Conduction, Convection, Radiation, Air, Liquid, Two Phase, Vapor Compression/Refrigeration, Fans and Blowers, Solid State Airmovers,	Application Environments Consumer, High Volume, Portable, Harsh Environments, LED, Medical, Telecom, Automotive, Solar Photovoltaic, Military, Power and Storage Systems

The selection of papers for the Symposium is solely based on an extended abstract, which should provide a complete summary of the proposed paper comprised of work or results not previously presented or published. Submitted abstracts should be between 2 and 5 pages of single spaced text giving the key results, findings and conclusions, supported by additional pages of figures, tables and references as appropriate. **Abstracts are expected to demonstrate that the proposed papers are appropriate for SEMI-THERM and of high technical quality.** Abstracts must be submitted electronically in RTF, DOC or PDF formats via the SEMI-THERM web site.

The intent of technical papers is to communicate timely and relevant technical information to a technical audience. The paper should present an unbiased description of a certain method or product, discussing both pros and cons. Both subtle and blatant advertisement of any products or services is in direct conflict with the spirit of the Symposium. Examples of the former include repeated references to products or trade names and excessive use of corporate logos and trademarks in graphic illustrations. Photographs of commercial equipment are not permitted unless they add educational value. The SEMI-THERM Program Committee desires that all authors and presenters understand unambiguously that commercialism is inappropriate and will not be tolerated; authors are asked to abide by these constraints when preparing their abstracts, papers, and presentations.

Key Dates

Abstract Deadline
September 10, 2009

Abstract Acceptance Notification
October 10, 2009

Photo-ready Full Manuscript Due
December 17, 2009

For further information please contact the Program Chair via email:

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