



CALL FOR PAPERS

TRACK 10: Heat Transfer and Thermal Engineering

ASME 2015 International Mechanical Engineering Congress and Exposition

Houston, Texas
November 13-19, 2015

TOPIC 10-22—Heat Pipes and Vapor Chambers

PURPOSE AND SCOPE OF TOPIC		
-----------------------------------	--	--

The Heat Pipes and Vapor Chambers topic provides a means to report the latest developments and advances in the field of passive, two-phase thermal management via heat pipes and vapor chambers. As electronic packaging becomes more sophisticated and compact, and heat sources become more powerful and smaller, the implementation of novel heat pipes and/or vapor chambers is becoming increasingly more important. In addition, heat pipes can be utilized to enhance other energy-related applications. The Heat Pipes and Vapor Chambers topic aims to gather papers/presentations from researchers around the world to update the heat pipe community on experimental, theoretical and numerical/CFD efforts.

Topics of interest include, but are not limited to:

- Heat pipe design and heat transfer enhancement of heat pipes
- Surface-treated heat pipes
- Conventional/wicked heat pipes
- Flat heat pipes and vapor chambers
- Thermosyphons
- Loop heat pipes
- Oscillating/pulsating heat pipes
- Thermal ground planes (TGPs)
- Two-phase heat spreaders
- Variable conductance heat pipes and diode heat pipes
- Manufacture of heat pipes
- New types of heat pipes

To be included in the Topic, be sure to submit to the topic on Heat Pipes and Vapor Chambers (Topic 10-22) in the Heat Transfer and Thermal Engineering Track. Prospective authors should refer to the following schedule for submissions. Authors should check the ASME congress website (<http://www.asmeconferences.org/IMECE2015/>) for updated deadlines and required on-line submission guidelines.

Prospective authors should submit a 400-650 word abstract via the Congress 2015 website at <http://www.asmeconferences.org/IMECE2015>.

See conference website for detailed publication schedule.

TOPIC ORGANIZERS		
-------------------------	--	--

Topic Chair:	Scott Thompson, thompson@me.msstate.edu
---------------------	---