

TRANSPORT PHENOMENA IN MICRO AND NANODEVICES

October 17-24, 2004

Kona, Hawaii

The meeting will bring together a small but select group of researchers interested in all aspects of transport phenomena in micro and nanodevices. That is the transport of mass, momentum, energy, and information in devices with characteristic lengths ranging from several nanometers to several micrometers. Potential applications include micro and nano systems involving mixing, combustion, energy conversion, computing, bioanalytics, chemical synthesis, photonics, etc. Also included are micro- and nanofabrication technologies involving transport phenomena, such as spin coating, etching, CVD, etc.

There will be a strong presence in the conference of quantum transport to complement traditional transport (such as mass, momentum and energy flux in solids and fluids), all of course as taking place in minute devices. Those two disparate communities hardly know much about each other and the conference should be useful in correcting this. Poster presentations will be included if the number of requests for oral presentations exceeds the meeting capacity.

The Chair of the Conference is Dr. Mohamed Gad-el-Hak of Virginia Commonwealth University, Richmond, VA. The Co-Chairs are Professor Nobuhide Kasagi of the University of Tokyo, Japan, and Dr. Steffen Hardt of the Institute of Microtechnology, Mainz, Germany

Additional information about this Conference - and a registration form - can be found at the Conference's web site:

<http://www.engconfintl.org/4at.html>

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