

E.T. International to Present Tutorial and Birds of a Feather at ISC'12

ETI's Rishi Khan to Join Thomas Sterling for Presentations on Performance Acceleration for Extreme-Scale Computing in Tutorial and BoF Sessions

D: [E.T. International, Inc](#) [1]. (ETI), a provider of high-performance system software solutions and performance acceleration services for heterogeneous and multi-core/many-core hardware architectures, will present on runtime systems for exascale development in tutorial and Birds-of-a-Feather sessions at [ISC'12](#) [2].

AT: ETI Vice President of R&D Dr. Rishi Khan will join Professor Thomas Sterling of Indiana University to present the [“Advanced Concepts, Environments, and Tools for Dynamic Extreme-Scale Parallel Programming”](#) [3] tutorial on Saturday, June 17 from 2:00-6:00pm in Room 120. Organized specifically for software system and application developers seeking to take advantage of new forms of parallelism and improved resource utilization strategies to sustain performance growth, the tutorial will describe key concepts such as light-weight user threads, message-driven computation, global address spaces and constraint-based synchronization. Presenters will also introduce different runtime systems designed to exploit dynamic methods of resource management and task scheduling, as well as inherent parallelism.

Dr. Khan and Dr. Sterling will also present a BoF session on [“Achieving Exascale Through Innovations in Runtime System Software”](#) [4] in session 16 on Wednesday, June 20 from 11:30am-12:15pm in Hall C2.2. The session will address key issues surrounding the promise of future HPC runtime systems, including their ability to make exaflops performance not only possible but practical, by bounding power consumption and providing resilience. Participants are invited to actively join the discussion by accessing questions at http://www.etinternational.com/isc_bof/ [5] to preview discussion points and prepare their own ideas for consideration during the live presentation.

ERE: Tutorial 6: “Advanced Concepts, Environments & Tools for Dynamic Extreme-Scale Parallel Programming” will take place in Room 120.

BoF 16: “Achieving Exascale Through Innovations in Runtime System Software” will take place in Hall C2.2.

CCH Congress Center Hamburg Am Dammtor / Marseiller Straße 20355 Hamburg Germany

EN: Conference: June 17-21

Tutorial: Saturday, June 17, 2:00-6:00pm

BoF Session: Wednesday, June 20, 11:30am-12:15pm

About International Supercomputing Conference The [International Supercomputing Conference](#) [2] (ISC) is a key global conference and exhibition for high performance computing, networking and storage. Now in its 27th year, ISC'12 will once again bring together 2,400 system managers, researchers from academia and industry as well as developers, computational scientists, and industry affiliates from over 50 countries. The ISC conference is famous for its world-class debates, with industry leaders and academia tackling the most important HPC issues.

For more information, visit www.etinternational.com [6]

Posted by Janine E. Mooney, Editor

June 13, 2012

Source URL (retrieved on 11/22/2014 - 9:10pm):

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Links:

[1] <http://www.etinternational.com/>

[2] <http://www.isc-events.com/isc12/>

[3] http://www.isc-events.com/isc12_ap/eventdetails.php?t=event&o=302&a=select&ra=index

[4] http://www.isc-events.com/isc12_ap/contributiondetails.php?t=contribution&o=1850&a=select&ra=eventdetails

[5] http://www.etinternational.com/isc_bof/

[6] <http://www.etinternational.com>