An Inaugural Workshop for the new MSU Department of Computing and Data Science

Michigan State University's newly formed Department of Computational Mathematics, Science and Engineering (CMSE) is hosting an inaugural workshop September 16-17, to kick off intellectual discourse throughout MSU. This two-day workshop will bring together speakers who are leaders in these disciplines to discuss scientific computing and data science, their applications, challenges, and open problems.

Sept. 16 Speakers (Scientific Computing):
- James Amundson, Head, Scientific Software Infrastructure Department; Fermi National Accelerator Laboratory
- George Biros, Professor, Mechanical Engineering; W. A. “Tex” Moncrief, Jr. Simulation-Based Engineering Science Chair; University of Texas (UT)
- Richard Brower, Professor, Physics, and Electrical & Computer Engineering; Boston University
- Keith Cartwright, Research Physicist; Sandia National Laboratories
- Bjorn Engquist, Director, ICES Center for Numerical Analysis; UT
- Jeff Hittinger, Group Leader, Center for Applied Scientific Computing; Lawrence Livermore National Laboratory
- George Em Karniadakis, Charles Pitts Robinson and John Palmer Barstow Professor of Applied Mathematics; Brown University
- Eric Michielssen, Professor, Electrical Engineering; Assoc. VP for Advanced Research Computing; University of Michigan

Sept. 17 Speakers (Data Science):
- Chidanand (Chid) Apte, Director, Mathematical Sciences and Analytics; IBM Research Division
- Gunnar Carlsson, Anne and Bill Swindells Professor of Mathematics; Stanford University; co-founder, Ayasdi
- Vanja Dukic, Associate Professor, Applied Mathematics; University of Colorado Boulder
- Piotr Indyk, Professor, Theory of Computation Group, Computer Science and Artificial Intelligence Laboratory; MIT
- Mario Juric, Washington Research Foundation Data Science Professor of Astronomy; University of Washington
- Mauro Maggioni, Professor, Mathematics and Computer Science, and Electrical and Computer Engineering; Duke University
- Jianchang (JC) Mao, Distinguished Engineer, Head of Advertising Relevance & Revenue and Marketplaces Development; Microsoft
- Wotao Yin, Professor, Department of Mathematics; UCLA

Travel and Lodging:
The workshop will take place at the Kellogg Center on the MSU campus (www.kelloggcenter.com). Rooms have been blocked at Kellogg and expire on August 16, 2015. Information on other lodging options, as well as airline and other general travel information, can be found here: http://bit.ly/CMSE-VisitMSU

Meals: Continental breakfast and lunch will be provided to registered workshop participants on Sept. 16 and 17. A banquet celebrating the newly formed MSU Department of Computational Mathematics, Science and Engineering will be held Sept. 16.

To Register:
Free registration is available online at: www.egr.msu.edu/fcds2015/registration

For additional information, please review the Frontiers in Computing and Data Science website: www.egr.msu.edu/fcds2015 or contact Mark Iwen at markiwen@math.msu.edu or any of the other organizers listed below.

Organizers:
Andrew Christlieb, Mark A. Iwen, Anil Jain, Jianliang Qian, Shanker Balasubramaniam, Brian O’Shea, and John Verboncoeur