ICME

INSTITUTE for COMPUTATIONAL & MATHEMATICAL ENGINEERING

OPEN DAY 2011

Driven by Computational Mathematics

LEARN HOW the exciting field of computational mathematics drives innovation in the sciences and engineering at this day of talks on real life applications!

May 7, 2011
Attendance is free, register at icme-openday.stanford.edu

MacKenzie Conference room, 3rd floor
Jen-Hsun Huang Engineering Center • Stanford University

Professor Margot Gerritsen, Director ICME
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05.07.2011

10:00 **Welcome**

10:10 Keynote by **Shanker Trivedi**, VP of Business Development, NVIDIA

10:30 **Andy Spakovitz**: Solving Life's Little Mysteries: Mathematical Modeling of Living Systems at the Molecular Level

11:00 **David Gleich**: The Mathematics of Networks of Connections: Pages, and People, and Papers, Oh My!

11:30 **John Gretarsson**: How PhDs Make Movies

12:00 **Nick Henderson**: Why Optimize

12:30 - 1:30 **Lunch, Posters, and Demos** ICME Lounge

1:30 **Gianluca Laccarino:** The Science of Prediction: Random Computations on 100,000 CPUs

2:00 **Hamdi Tchelepi:** Early Mathematics

2:30 **Oliver Fringer:** Fluids, Math, Computers, and the Environment

3:00 **Cris Cecka:** High Performance Real-Time Visualization of Elastic Materials and Tissue

3:30 **Closing**