



LEHIGH
UNIVERSITY

**RESEARCH
COMPUTING**



2013 High Performance Computing Symposium

<http://hpcsymposium.lehigh.edu>

April 11–12, 2013 Linderman Library

April 11: Lehigh Presentations (Bayer Galleria)

HPC at Lehigh & Beyond

Michael Chupa

Efficient Use of Lehigh HPC Resources

Stephen Anthony

April 12: Research Talks (Room 200)

Keynote: Ward Wheeler

American Museum of Natural History

*Heuristic algorithms, optimality criteria, and computational challenges
for sequence data: DNA to Human Language*

Kostas Bekris

Rutgers University

Progress and Prospects in Motion Planning in the Era of Cloud Robotics

Hubertus Franke

IBM Thomas J. Watson Research Center

Software Defined Environments

Jing He

Old Dominion University

*Deriving Protein Tertiary Structures from Electron Cryo-microscopy
Volume Data—the Computational Challenges*

D. John Hillier

University of Pittsburgh

A Spectrum is Worth a Thousand Pictures

Avner Schlessinger

Mount Sinai School of Medicine

*Drug discovery by homology modeling and virtual screening: application
to human Solute Carrier (SLC) transporters*

Free registration at <http://hpcsymposium.lehigh.edu>