



Special Guest Lecture Series

Events

Current Events

Lectures

- Current Lectures
- Brain Science Speaker Series
- Cybersecurity Lecture Series
- CCT Distinguished Lecture Series
- CCT Tech Talk Series
- Computational Biology Seminar Series for Undergraduates
- Computational Mathematics Seminar Series
- Crazy Interdisciplinary Ideas Seminar Series
- Frontiers of Scientific Computing Lecture Series
- Coast to Cosmos Lecture Series
- IT Eminent Lecture Series
- **Special Guest Lecture Series**
- Other
- All

[Events Archive](#)
[DMC Rental Fees](#)


[Discontinuous Galerkin Methods for the Shallow Water Equations](#)

Speaker: Yulong Xing, Oak Ridge National Laboratory
Digital Media Center - Room: 1034

Sep 19, 2014
@13:30:00



[Highly Collaborative Cyberinfrastructure for Grand Challenge Communities](#)

Speaker: Irene Qualters, National Science Foundation
Digital Media Center - Room: Theatre

Jul 30, 2014
@17:15:00



[Computing in Science Education. Integrating a Computational Perspective in the Basic Science Education](#)

Speaker: Morten Hjorth-Jensen, Michigan State University, University of Oslo
Digital Media Center - Room: Theatre

Apr 04, 2014
@10:00:00



[Interactive Installations as Performance](#)

Speaker: Hye Yeon Nam, Georgia Institute of Technology
Digital Media Center - Room: Theatre

Nov 04, 2013
@13:00:00



[Applications in Signal Processing and Music Informatics](#)

Speaker: Alexander Lerch, Assistant Professor
Digital Media Center - Room: Theatre

Oct 25, 2013
@10:00:00



[Integrated Field Analysis & Modeling of the Coastal Dynamics of Sea Level Rise in the Northern Gulf of Mexico](#)

Speaker: Scott C. Hagen, University of Central Florida
Digital Media Center - Room: Theatre

Oct 24, 2013
@10:00:00



[Technology Centered Design? Design Centered Technology?](#)

Speaker: Justin Manor, Soslolimited
Digital Media Center - Room: Theatre

Oct 16, 2013
@14:00:00



[Computational Earth Materials for Environmental and Energy Applications](#)

Speaker: Jianwei Wang, LSU
Digital Media Center - Room: Theatre

Sep 20, 2013
@11:30:00



[Hurricanes Ivan \(2004\) and Ida \(2009\): A Tale of Two Gulf Coast Landfalling Hurricanes](#)

Speaker: Sytske K. Kimball, University of South Alabama
Digital Media Center - Room: 1034

Sep 09, 2013
@10:00:00



[Paradigm for Multiscale Modeling of Fluid-sediment Boundary Layer Flows](#)

Speaker: Joseph Calantoni, Naval Research Laboratory, Stennis Space Center
Digital Media Center - Room: Theatre

Sep 05, 2013
@14:00:00



[From research to technology, a career perspective on challenges and opportunities](#)

Speaker: Dr. Frank Lee, Architect & Technical Advisor for Life Science
Frey Computing Services Center - Room: 307

Jul 16, 2013
@21:30:00



[Flow Penetration into Porous Hydraulic Structures: A New Computational Approach for an Old Multi-scale Problem](#)

Speaker: Xiaofeng Liu, University of Texas at San Antonio
Johnston Hall - Room: 338

Jun 24, 2013
@10:00:00



[Interactive Sonic Sculpting and Machine Improvisation](#)

Speaker: Douglas Van Nort, Rensselaer Polytechnic Institute
Johnston Hall - Room: 338

Apr 24, 2013
@13:30:00



Technology Enables: Composing as a Listener

Speaker: Paul Rudy, University of Missouri
Johnston Hall - Room: 338

Apr 15, 2013
@13:30:00



Order-Disorder Phase Transformation in Ni-Cr Alloys

Speaker: Julie Tucker, Knolls Atomic Power Laboratory
Johnston Hall - Room: 338

Apr 12, 2013
@13:30:00



Design of Embedded Media

Speaker: Edgar Berdahl, Stanford University
Johnston Hall - Room: 338

Apr 12, 2013
@09:00:00



First-principles Ultrafast Chemical Dynamics

Speaker: Kenneth Lopata, Pacific Northwest National Laboratory
Johnston Hall - Room: 338

Mar 22, 2013
@09:00:00



Chemistry at Interfaces: From the Air-Water to the Electrode-Electrolyte Interface

Speaker: Revati Kumar, University of Chicago
Johnston Hall - Room: 338

Mar 21, 2013
@15:00:00



The Present and Future of Multichannel Music

Speaker: Eric Lyon, Queen's University - Belfast
Johnston Hall - Room: 338

Mar 12, 2013
@13:30:00



Glitch TOO (Towards Object Orientation)

Speaker: Kenneth Perry, Morehouse College
Frey - Room: 307

Mar 12, 2013
@13:15:00



Success & Failure Baking Apps with Apple's iOS

Speaker: Timothy Place, Cycling 74
Johnston Hall - Room: 338

Feb 21, 2013
@15:00:00



Jamoma: A Diverse Ecosystem in Which Software Grows Organically

Speaker: Timothy Place, Cycling 74
Johnston Hall - Room: 338

Feb 20, 2013
@13:30:00



Teaching Computational Thinking Through MOBILIZE and the New Data Explosion

Speaker: Odette Board, Los Angeles Unified School District
Johnston Hall - Room: 218

Feb 15, 2013
@13:30:00



Cyberinfrastructure Activities at NSF

Speaker: Daniel S. Katz, National Science Foundation
Johnston Hall - Room: 338

Oct 30, 2012
@10:30:00



An Efficient Spectral Element Model for Submerged Bendable Cylinders Relevant to Wave Attenuation

Speaker: Don Liu, Louisiana Tech University
Johnston Hall - Room: 338

Jun 28, 2012
@14:30:00



High Performance Scalable Computations of Hurricane Driven Wind Waves, Storm Surge, and Flow in Integrated Ocean Basin to Shelf to Inland Floodplain Systems

Speaker: Joannes J. Westerink, University of Notre Dame
Johnston Hall - Room: 338

May 31, 2012
@15:30:00



Parallel Adaptive Mesh Studies of Black Hole Spin-Spin Interactions

Speaker: Scott Hawley, Belmont University
Johnston Hall - Room: 338

May 17, 2012
@14:00:00



Towards Low-latency Real-time Detection of Gravitational Waves from Compact Binary Coalescences in the Era of Advanced Detectors

Speaker: Lingqing Wen, University of Western Australia
Johnston Hall - Room: 338

Mar 29, 2012
@14:30:00



[PHG: A Parallel Adaptive Finite Element Toolbox and its Applications](#)

Speaker: Tao Cui, Chinese Academy of Sciences
Johnston Hall - Room: 338

Feb 23, 2012
@14:30:00



[IBM's HPC Strategy](#)

Speaker: Dave Jursik, IBM HPC Business
Johnston Hall - Room: 338

Jan 10, 2012
@10:00:00



[Accelerating Gravitational Wave Data Processing on GPU](#)

Speaker: Zhihui Du, Tsinghua University, China
Johnston Hall - Room: 338

Dec 05, 2011
@14:00:00



[Accelerating Gravitational Wave Data Processing on GPU](#)

Speaker: Zhihui Du, Tsinghua University, China
Johnston Hall - Room: 338

Dec 05, 2011
@14:00:00



[High Order Methods and Engineering Applications](#)

Speaker: Don Liu, Louisiana Tech University
Johnston Hall - Room: 338

Nov 22, 2011
@10:00:00



[High Order Methods and Engineering Applications](#)

Speaker: Don Liu, Louisiana Tech University
Johnston Hall - Room: 338

Nov 22, 2011
@10:00:00



[Falloff of the Weyl Scalars in Numerical Relativity Binary Black Hole Spacetimes](#)

Speaker: Ian Hinder, Albert Einstein Institute, Germany
Johnston Hall - Room: 338

Nov 03, 2011
@14:00:00



[Evolution of Axisymmetric Galaxy Cores Embedding Black Holes - A GPU Application](#)

Speaker: Jose Fiestas Iquira, Lawrence Berkeley National Laboratory
Johnston Hall - Room: 338

Nov 03, 2011
@09:30:00



[HPX: C++ Metaprogramming Meets Future High Performance Computing](#)

Speaker: Thomas Heller, University of Erlangen-Nuremberg
Johnston Hall - Room: 218

Oct 19, 2011
@13:00:00



[Cyberinfrastructure for Numerical Relativity \(and Beyond\)](#)

Speaker: Gabrielle Allen, National Science Foundation, LSU
Coates Hall - Room: 256

Oct 03, 2011
@14:00:00



[TVD Solver in Coastal Models](#)

Speaker: Fengyan Shi, University of Delaware
Johnston Hall - Room: 338

Sep 12, 2011
@15:00:00



[A Decade in the SWAMP: My Research with Studies of Work Atmospheres and Mass Production](#)

Speaker: Douglas Easterly, Victoria University of Wellington
Johnston Hall - Room: 338

Jun 29, 2011
@15:00:00



[Nanostructure by High-Energy XRD and Atomic Pair Distribution Functions](#)

Speaker: Valeri Petkov, Central Michigan University
Johnston Hall - Room: 218

Jun 01, 2011
@14:30:00



[Transmodal Journeys: Digital Adventures in the Physical World](#)

Speaker: Frederick "Derick" Ostrenko, LSU
Johnston Hall - Room: 338

Jun 01, 2011
@14:00:00



[Using Multi-Scale and Multi-Resolution Model With Graphics Processing Unit \(GPU\) to Simulate Real-Time Actual Cancer Progression](#)

Speaker: Le Zhang, Michigan Tech University
Johnston Hall - Room: 338

May 24, 2011
@14:00:00



Alternative Projections: Abstraction, Experimentation and the Body

Speaker: Jeremy Speed Schwartz, Museum Of Contemporary Art, Los Angeles
Johnston Hall - Room: 338

May 12, 2011
@14:00:00



What do the Rich Magnetic Structures of Iron-Based Superconductors Teach Us About Their Electronic Structure?

Speaker: Wei Ku, Brookhaven National Laboratory
Johnston Hall - Room: 338

May 10, 2011
@14:00:00



Ligand Homology Modeling as a new computational platform to support modern drug discovery

Speaker: Michal Brylinski, Georgia Institute of Technology, Atlanta
Johnston Hall - Room: 338

May 10, 2011
@10:00:00



An Exploration of Visual Computing

Speaker: Tim McGraw, West Virginia University
Johnston Hall - Room: 338

Apr 29, 2011
@11:00:00



Computational Drug Discovery Using Translational Bioinformatics Tools

Speaker: Jake Chen, Purdue University
Johnston Hall - Room: 338

Apr 26, 2011
@14:00:00



Gaze-contingent Image Analysis

Speaker: Umesh Rajashekar, New York University
Johnston Hall - Room: 338

Apr 26, 2011
@09:30:00



Good Choices for Great Careers in the Mathematical Sciences

Speaker: James (Mac) Hyman, Tulane University
Johnston Hall - Room: 338

Apr 25, 2011
@11:00:00



Candidate for the AVATAR computer graphic tenure track faculty position

Speaker: Robert Kooima, LSU Center for Computation & Technology
Johnston Hall - Room: 338

Apr 13, 2011
@15:00:00



An Overview of GRI-SSC Research

Speaker: Pat Fitzpatrick, Mississippi State University
Johnston Hall - Room: 338

Apr 01, 2011
@13:00:00



Fast Algorithms for High Frequency Waves and Applications in Kinetic Inverse Problems

Speaker: Jianliang Qian, Michigan State University
Johnston Hall - Room: 338

Mar 29, 2011
@14:00:00



Fluid Flow Simulations of Diverse Petroleum Engineering Processes at the Rock Pores-, System Components- and Reservoir Field- Scales

Speaker: Mayank Tyagi, Louisiana State University
Taylor Hall - Room: 2427

Mar 18, 2011
@10:30:00



Adaptive Multiscale Molecular Dynamics Simulations of Soft Matter

Speaker: Steven O. Nielson, University of Texas at Dallas
Johnston Hall - Room: 338

Mar 15, 2011
@14:00:00



The Role of High-Performance Computing in Engineering, Science, and the Arts

Speaker: Joel Tohline, Louisiana State University
Taylor Hall - Room: 2427

Mar 11, 2011
@10:30:00



Reduced Models You Can Believe In

Speaker: Jan S. Hesthaven, Brown University
Johnston Hall - Room: 338

Mar 11, 2011
@10:00:00



Computer Simulations of Proteins

Speaker: Ulrich H. E. Hansmann, Michigan Technological University
Choppin Hall - Room: 210

Mar 03, 2011
@11:00:00



Constant pH Molecular Dynamics: Gaining Atomic-level Insights into Protonation-related Phenomena

Speaker: Jana Shen, University of Oklahoma
Choppin Hall - Room: 210

Feb 25, 2011
@11:00:00



Electrostatic Mechanisms in Biology and Chemistry

Speaker: Jana Shen, University of Oklahoma
Johnston - Room: 338

Feb 24, 2011
@13:00:00



Electrostatic Mechanisms in Biology and Chemistry

Speaker: Jana Shen, University of Oklahoma
Johnston - Room: 338

Feb 24, 2011
@13:00:00



"Probing and Optimization of Functional Small and Bio-Molecules by All-Atom Molecular Dynamics (MD) Simulations"

Speaker: Chun Wu, University of California, Santa Barbara
Choppin Hall - Room: 210

Feb 23, 2011
@11:00:00



Composite and Hidden Order in F-Electron Materials and the Lessons We Are Learning

Speaker: Piers Coleman, Rutgers University
Johnston Hall - Room: 338

Feb 22, 2011
@14:00:00



Dye Binding, Folding and Aggregation of Alzheimer's and Type 2 Diabetes Amyloid Forming Peptides Probed by All-Atom Molecular Dynamics (MD) Simulations

Speaker: Chun Wu, University of California, Santa Barbara
Choppin Hall - Room: 210

Feb 22, 2011
@13:00:00



An Opening in the Clouds: Open-source Cloud Computing at UCSB

Speaker: Chandra Krintz, University of California, Santa Barbara
Johnston Hall - Room: 338

Feb 21, 2011
@11:00:00



How to Have Your Cake and Eat It Too: High-Productivity and High-Performance with Multicores

Speaker: Sven-Bodo Scholz, University of Hertfordshire, UK
Johnston Hall - Room: 338

Jan 26, 2011
@13:00:00



High Performance Computing on GPU and Multi-GPU on Example of CFD Algorithms

Speaker: Marek Blazewicz, Poznan Supercomputing and Networking Center
Johnston Hall - Room: 338

Dec 10, 2010
@10:00:00



The Intrinsic Midgap Electronic States in Semiconductor Glasses

Speaker: Vassilij Lubchenko, University of Houston
Johnston Hall - Room: 338

Dec 09, 2010
@15:30:00



Experiences Teaching Computational Science Remotely

Speaker: Karen Tomko, Ohio Supercomputing Center
Johnston Hall - Room: 338

Nov 19, 2010
@14:00:00



An Optimizing Source-to-Source Translator for Parallel Programs

Speaker: Hans Moritsch, University of Innsbruck, Austria
Johnston Hall - Room: 338

Nov 19, 2010
@10:00:00



Recent Progress in Development and Application of Non-Additive Interaction Models for Molecular Simulations of Biophysical and Physicochemical Systems

Speaker: Sandeep Patel, University of Delaware
Johnston Hall - Room: 218

Nov 18, 2010
@15:30:00



Many Big Jobs: Computing in the eXtreme Digital Era

Speaker: Tom Bishop, Center for Computational Science, Tulane University
Johnston Hall - Room: 338

Nov 09, 2010
@15:00:00



Iron Oxide Molecular Clusters as Building Blocks of Non-volatile Memory

Speaker: Vladimir Kolesnichenko, Xavier University
Johnston Hall - Room: 218

Nov 04, 2010
@15:30:00



SWAMP- Studies of Work Atmospheres and Mass-production

Speaker: Matthew Kenyon, Pennsylvania State University
Johnston Hall - Room: 338

Nov 04, 2010
@15:30:00



Developing High-Temperature Alloys for Fossil Energy Applications

Speaker: Michael Gao, National Energy Technology Laboratory
Johnston Hall - Room: 338

Oct 21, 2010
@15:30:00



Haptic Data Compression and Communication

Speaker: Julius Kammerl, Munich University of Technology, Germany
Johnston Hall - Room: 218

Oct 21, 2010
@10:30:00



Haptic Data Compression and Communication

Speaker: Julius Kammerl, Munich University of Technology, Germany
Johnston Hall - Room: 218

Oct 21, 2010
@10:30:00



In the Search of 2D Boussinesq Solutions: A Numerical Approach

Speaker: Christo I. Christov, University of Louisiana at Lafayette
Johnston Hall - Room: 338

Oct 07, 2010
@15:30:00



A Mathematical Solution to the Theoretical Underestimation of Energy and Band Gaps and Applications to the Search of Novel Materials

Speaker: Diola Bagayoko, Southern University
Johnston Hall - Room: 338

Sep 30, 2010
@15:30:00



Recent Research Results in Image and Video Processing

Speaker: Sanjit K. Mitra, University of South California, Los Angeles
Coates Hall - Room: 256

Sep 17, 2010
@14:00:00



Robust Data Mining and Fusion CyberTools for Knowledge Discovery

Speaker: Sumeet Dua, Louisiana Tech University
Johnston Hall - Room: 338

Sep 16, 2010
@15:30:00



Atomistic Simulation Studies of Interfacial Phenomena in Biomolecular Systems

Speaker: Dorel Moldovan, Louisiana State University
Johnston Hall - Room: 338

Sep 09, 2010
@15:30:00



Topology-based Smoothing of 2D Scalar Fields with C1-Continuity

Speaker: Tino Weinkauff, Courant Institute for Mathematical Sciences
Johnston Hall - Room: 338

Jul 01, 2010
@14:00:00



A Multi-Stage Ab-initio Wavepacket Dynamics Formalism for Electronic Structure and Dynamics in Open Systems

Speaker: Alexander Pacheco, Indiana University
Frey Computing Services Building - Room: 307

Jun 10, 2010
@09:30:00



Welcome to Collaborative Think-Tanks: Fraternizing with an Enemy Never Looked so Good

Speaker: Ivica Ico Bukvic, Virginia Tech
Fred C. Frey Computing Services Center - Room: 307

Apr 27, 2010
@11:30:00



Welcome to Collaborative Think-Tanks: Fraternizing with an Enemy Never Looked so Good

Speaker: Ivica Ico Bukvic, Virginia Tech
Fred C. Frey Computing Services Center - Room: 307

Apr 27, 2010
@11:30:00



Exploitation of MIR in Music Technology

Speaker: Tae Hong Park, Tulane University
Johnston Hall - Room: 338

Apr 16, 2010
@14:45:00



A Preconditioned Scheme for Nonsymmetric Saddle-point Problems

Speaker: Abdelkader Baggag, Louisiana Tech University
Johnston Hall - Room: 338

Apr 16, 2010
@10:00:00



Candidate Lecture for AVATAR Music Faculty Position

Speaker: Jesse Allison, Ball State University
Johnston Hall - Room: 338

Mar 30, 2010
@11:00:00



Candidate Lecture for AVATAR Music Faculty Position

Speaker: Jesse Allison, Ball State University
Johnston Hall - Room: 338

Mar 30, 2010
@11:00:00



Discontinuous Galerkin Finite Element Methods and Applications to Boltzmann-Poisson Models in Semiconductor Device Simulation

Speaker: Yingda Cheng, University of Texas at Austin
Johnston Hall - Room: 338

Feb 09, 2010
@15:40:00



Inexact Balancing Domain Decomposition by Constraints Algorithms

Speaker: Xuemin Tu, University of California, Berkeley
Johnston Hall - Room: 338

Feb 02, 2010
@15:40:00



Shape Optimization of Peristaltic Pumping

Speaker: Shawn W. Walker, New York University
Johnston Hall - Room: 338

Jan 21, 2010
@14:00:00



Dual-Mixed Finite Element Methods for Fluids

Speaker: Jason Howell, Carnegie Mellon University
Johnston Hall - Room: 338

Jan 19, 2010
@15:30:00



Key Moments in the History of Numerical Analysis

Speaker: Michele Benzi, Emory University
Johnston Hall - Room: 338

Aug 28, 2009
@11:00:00



High Order Methods and Boussinesq Equations

Speaker: Don Liu, Louisiana Tech University
Johnston Hall - Room: 338

Jun 30, 2009
@15:00:00



The Development of Design Science Research - Ongoing Issues

Speaker: John Venable
Johnston Hall - Room: 338

Apr 29, 2009
@13:30:00



At the Intersection of Music and Computer Science (and Mobile): Chuck, Laptop Orchestras, and iPhone Ocarinas

Speaker: Ge Wang, Stanford University
Johnston Hall - Room: 338

Apr 13, 2009
@14:30:00



Parallel Processors as Functional Compute Engines

Speaker: James Lupo, Regis University
Frey - Room: 307

Jan 29, 2009
@14:00:00



Using the Vish Infrastructure for Computing Streamlines Data Containing Several Hundred Curvilinear Blocks

Speaker: Marcel Ritter, University of Innsbruck
Johnston Hall - Room: 338

Dec 16, 2008
@10:00:00



Scientific and Industrial Supercomputing

Speaker: Stanley C. Ahalt, Ohio Supercomputer Center
Johnston Hall - Room: 338

Dec 04, 2008
@13:30:00



Building Symbiotic Relationships Between Formal Verification and High Performance Computing

Speaker: Robert M. Kirby, University of Utah
Johnston Hall - Room: 338

Dec 02, 2008
@14:00:00



SIGGRAPH Student Volunteer Recruiting Opportunity

Speaker: Nicolas Gonzalez, SIGGRAPH 2009 Student Volunteers Chair
Johnston Hall - Room: 338

Nov 24, 2008
@16:30:00



[SIGGRAPH Student Volunteer Recruiting Opportunity](#)

Speaker: Nicolas Gonzalez, SIGGRAPH 2009 Student Volunteers Chair
Johnston Hall - Room: 338

Nov 24, 2008
@16:30:00



[A Workflow-enabled Grid-Portal for Bioinformatics](#)

Speaker: Sandra Gesing, University of Tuebingen
Johnston Hall - Room: 338

Sep 26, 2008
@10:00:00



[Variational Transition State Theory: Parallel Direct Dynamics for Barrierless Association Reactions](#)

Speaker: Dr. Jingjing Zheng, University of Minnesota
Johnston Hall - Room: 338

Sep 23, 2008
@11:00:00



[Variational Transition State Theory: Parallel Direct Dynamics for Barrierless Association Reactions](#)

Speaker: Dr. Jingjing Zheng, University of Minnesota
Johnston Hall - Room: 338

Sep 23, 2008
@11:00:00



[Atomistic Simulation of Nanoporous Layered Double Hydroxide Materials and Transport and Adsorption of Gas Mixture and Fluids in Them](#)

Speaker: Nayong Kim, University of Southern California
Johnston Hall - Room: 338

Aug 01, 2008
@13:30:00



[Parallel Computing Pressure Driven Phenomena](#)

Speaker: Sanjay Kodiyalam, Louisiana State University
Johnston Hall - Room: 338

Jul 30, 2008
@13:30:00



[A Nodal DG-FEM Method for Solving High Order Boussinesq-type Equations](#)

Speaker: Allan Engsig-Karup, Technical University of Denmark
Johnston Hall - Room: 338

Jun 23, 2008
@14:00:00



[Superconvergent Finite Element Solutions to Einstein's Constraint Equations on Multi-block Triangulations](#)

Speaker: Oleg Korobkin, Louisiana State University
Johnston Hall - Room: 338

Jun 17, 2008
@10:30:00



[Research Activities in KISTI with Focus on the Numerical Relativity Group](#)

Speaker: Dae-II Choi, Korea Institute of Science and Technology Information
Johnston Hall - Room: 338

May 23, 2008
@11:30:00



[GENI - The Global Environment for Networking Innovations Project](#)

Speaker: Chip Elliott, BBN Technologies and GENI PI/PD/Chief Engineer
Johnston Hall - Room: 338

May 20, 2008
@09:30:00



[Planetary-Scale Terrain Composition](#)

Speaker: Robert Kooima, University of Illinois at Chicago
Fred Frey - Room: 320

May 16, 2008
@14:30:00



[Estimating PM2.5 Exposure with Statistical Models Based on Satellite Remote Sensing, Meteorology, and Land Use Information](#)

Speaker: Yang Liu, Harvard University
Johnston Hall - Room: 338

May 14, 2008
@11:00:00



[Enabling gravitational-wave astronomy on the LIGO Data Grid](#)

Speaker: Patrick Brady, Professor, University of Wisconsin at Milwaukee
Johnston Hall - Room: 338

May 05, 2008
@15:40:00



[Particles moving around black holes: Opportunities in self-force problems](#)

Speaker: Ian Vega, University of Florida
Johnston Hall - Room: 338

May 02, 2008
@10:00:00



[A Posteriori Error Estimates for Discontinuous Galerkin Finite Element Methods for Elliptic Problems](#)

Speaker: Thirupathi Gudi, Louisiana State University
Johnston Hall - Room: 338

May 01, 2008
@15:30:00



Error Analysis of the Finite Element Method for the Stochastic Heat Equation with Additive Noise

Speaker: Mihaly Kovacs, University of Otago, New Zealand
Johnston Hall - Room: 338

Apr 29, 2008
@15:30:00



Gravitational waves from small black holes orbiting big ones

Speaker: Steven Detweiler, University of Florida
Johnston Hall - Room: 338

Apr 28, 2008
@14:00:00



On the Role of Defects and Single Molecules Embedded in Low Dimensional Systems: a Computational Nanoscience Study

Speaker: Vincent Meunier, Oak Ridge National Laboratory
Nicholson Hall - Room: 435

Apr 21, 2008
@15:40:00



Model-based Simulation of the Piercing Process in Piezo-driven Intracytoplasmic Sperm Injection

Speaker: Yong Gan, University of Missouri-Columbia
Johnston Hall - Room: 338

Apr 21, 2008
@10:30:00



Rats! How to Like Real Rats in the Kitchen - The Making of Ratatouille

Speaker: Stuart Sumida, Ph.D., California State University
Shaw Center for the Arts - Room: Manship Theatre

Apr 18, 2008
@18:00:00



Full Dome 101: How to create content for a hemispheric screen

Speaker: Hue Walker- Dome Producers Master Class
Louisiana Art and Science Museum - Room: Planetarium

Apr 18, 2008
@17:00:00



Spontaneous Fantasia by J Walt

Speaker: J.Walt, independent designer, filmmaker, graphic arts and composer
Louisiana Art and Science Museum - Room: Planetarium

Apr 18, 2008
@16:00:00



From Cutting Edge to Cookie Cutter

Speaker: Hans Rijpkema, Rhythm and Hues
Shaw Center for the Arts - Room: Manship Theatre

Apr 18, 2008
@13:00:00



Andreas Deja - A Life in Pictures, (and Sketches)

Speaker: Andreas Deja, Disney Feature Animation
Shaw Center for the Arts - Room: Manship Theatre

Apr 18, 2008
@11:30:00



More than Meets the Eye- Making Michael Bay's Transformers

Speaker: Tom Martinek, Industrial Light & Magic
Shaw Center for the Arts - Room: Manship Theatre

Apr 18, 2008
@10:30:00



The Eyes of Madame Tutli Putli

Speaker: Jason Walker, Designer, Animator and Digital Compositor
Old State Capitol - Room: House Chamber

Apr 17, 2008
@12:30:00



Enhancing Image Fidelity through Spatio-Spectral Design for Color Image Acquisition, Reconstruction, and Display

Speaker: Keigo Hirakawa, Harvard University
Electrical Engineering Building - Room: 117

Apr 15, 2008
@09:30:00



Beams of the Future

Speaker: Mihai Bondarescu, Caltech
Nicholson Hall - Room: 262

Apr 10, 2008
@09:30:00



Why Deltas Don't Necessarily Drown When Sea Level Rises

Speaker: Dr. Chris Paola, National Center for Earth-surface Dynamics, University of Minnesota
Howe-Russell Geoscience Complex - Room: E-130

Apr 09, 2008
@15:00:00



Modeling of Shallow Water Flows: Applications of DG methods in Coastal and Hydraulic Engineering

Speaker: Claes Eskilsson, Visiting Assistant Professor at the Department of Civil and Environmental Engineering, LSU
Johnston Hall - Room: 338

Apr 03, 2008
@15:30:00



[Shape Mapping Framework for Graphics and Visual Computing](#)

Speaker: Xin Li, State University of New York at Stony Brook
Electrical Engineering Building - Room: 117

Apr 03, 2008
@10:30:00



[Shape Mapping Framework for Graphics and Visual Computing](#)

Speaker: Xin Li, State University of New York at Stony Brook
Electrical Engineering Building - Room: 117

Apr 03, 2008
@10:30:00



[Living with Madden: The Drive for Consistent Excellence](#)

Speaker: Philip Holt, EA Tiburon
Johnston Hall - Room: 338

Mar 26, 2008
@13:00:00



[Validation and Verification of Moving Boundary Models of Land Building Processes](#)

Speaker: Vaughan R. Voller, Civil Engineering, University of Minnesota
Johnston Hall - Room: 338

Mar 13, 2008
@15:00:00



[A Cost-based Multi-Unit Resource Auction for Service-oriented Grid Computing](#)

Speaker: Roman Beck, Institute of Information Systems, Johann Wolfgang Goethe University, Frankfurt, Germany
Johnston Hall - Room: 338

Mar 11, 2008
@15:00:00



[An Exploration and Identification of Technology Usage Inhibitors](#)

Speaker: Ronald T. Cenfetelli, University of British Columbia
Johnston Hall - Room: 338

Feb 21, 2008
@13:00:00



[Using openGR for Numerical Relativity Simulations](#)

Speaker: Paul Walter, University of Texas at Austin
Nicholson Hall - Room: 201

Feb 21, 2008
@11:30:00



[Scalable Solver Infrastructure for Multirate, Multiscale PDE Applications](#)

Speaker: David E. Keyes, Fu Foundation Professor in Applied Mathematics, Columbia University
Johnston Hall - Room: 338

Feb 18, 2008
@13:40:00



[Migol: A Fault Tolerant Grid Service Framework for Computational Applications in the Grid](#)

Speaker: Andre Luckow, University of Potsdam, Germany
Johnston Hall - Room: 338

Feb 07, 2008
@15:00:00



[Polynomial Chaos and Uncertainty Quantification](#)

Speaker: Xiaoliang Wan, Division of Applied Mathematics, Brown University
Johnston Hall - Room: 338

Jan 31, 2008
@15:40:00



[Modeling and Simulation of Liquid Crystal Elastomers](#)

Speaker: Wei Zhu, Courant Institute of Mathematical Sciences, New York University
Johnston Hall - Room: 338

Jan 29, 2008
@15:40:00



[Modeling and Simulation of Liquid Crystal Elastomers](#)

Speaker: Wei Zhu, Courant Institute of Mathematical Sciences, New York University
Johnston Hall - Room: 338

Jan 29, 2008
@15:40:00



[Probing the Binary Black Hole Merger Regime with Scalar Perturbations](#)

Speaker: Eloisa Bentivegna, Pennsylvania State University
Johnston Hall - Room: 338

Jan 29, 2008
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[Superfast solvers for some large structured matrix problems](#)

Speaker: Jianlin Xia, UCLA
Johnston Hall - Room: 338

Jan 24, 2008
@15:40:00



[A Spectral/hp Element Method for Particle-Fluid Interaction](#)

Speaker: Dr. Don Liu, Louisiana Technical University
Johnston Hall - Room: 338

Jan 23, 2008
@14:00:00



[A Dimension-Adaptive Sparse Grid Stochastic Collocation Technique for Partial Differential Equations with High-Dimensional Random Input Data](#)

Speaker: Clayton Webster, Sandia National Laboratories
Johnston Hall - Room: 338

Jan 22, 2008
@15:40:00



[Superconvergent Discontinuous Galerkin Methods](#)

Speaker: Johnny Guzman, University of Minnesota
Johnston Hall - Room: 338

Jan 17, 2008
@15:30:00



[Recent Advances in Box Constrained Optimization](#)

Speaker: Hongchao Zhang, University of Minnesota
Johnston Hall - Room: 338

Jan 15, 2008
@15:30:00



[From Reality to Metaphor, by Way of Imagination](#)

Speaker: Sean Carroll, California Institute of Technology
Shaw Center for the Arts - Room: TBA

Dec 05, 2007
@18:00:00



[Relativistic Simulations of Gamma-Ray Bursts](#)

Speaker: Weiqun Zhang, New York University
Johnston Hall - Room: 338

Nov 29, 2007
@14:00:00



[Ambisonics in Action: The Making of "Encounter\(s\)"](#)

Speaker: Elaine Lillios and Michael Thompson, New Media and Emerging Technology Center, Bowling Green State University
Johnston Hall - Room: 338

Nov 28, 2007
@16:00:00



[The Institute for Mathematics and Its Applications](#)

Speaker: Douglas N. Arnold, Director of the Institute For Mathematics and its Applications, and Professor of Mathematics, University of Minnesota
Johnston Hall - Room: 338

Oct 16, 2007
@10:00:00



[Introduction to the Numerical Non-linear Medium](#)

Speaker: Jennifer Tate, Center for Computation & Technology
Johnston Hall - Room: 338

Oct 09, 2007
@14:00:00



[Deploying Regional Cyberinfrastructure for Strategic Application Development and Support](#)

Speaker: Dr. Ravi K. Vadapalli, Research Scientist, High Performance Computing Center, Texas Tech University
Johnston Hall - Room: 338

Oct 01, 2007
@11:00:00



[Computer Music Composition and Interactive Art](#)

Speaker: David Psenicka, Post-doctoral Researcher, Center for Computation & Technology
Johnston Hall - Room: 338

Oct 01, 2007
@10:00:00



[ASKALON: An Application Development and Runtime Environment for the Grid](#)

Speaker: Thomas Fahringer and Radu Prodan, University of Innsbruck, Austria
Johnston Hall - Room: 338

Sep 24, 2007
@10:00:00



[Initial Data for Neutron Star - Black Hole Systems](#)

Speaker: Frank Löffler, Sissa, Trieste, Italy
Johnston Hall - Room: 338

Sep 18, 2007
@15:00:00



[The development of a mixed mode programming paradigm](#)

Speaker: Meng-Shiou Wu, Postdoctoral Research Fellow, Scalable Computing Laboratory, Ames, Iowa
Johnston Hall - Room: 338

Jul 09, 2007
@10:00:00



[Simulating Proto-clusters of Galaxies with ASKALON on the Austrian Grid](#)

Speaker: Michaela Lechner, University of Innsbruck
Johnston Hall - Room: 338

May 30, 2007
@14:00:00



[Tensor Visualization for Finding Structures in Brain and Nematic Liquid Crystal](#)

Speaker: Song Zhang, Mississippi State University
Johnston Hall - Room: 338

May 15, 2007
@15:30:00



[The High Performance Computing Collaboratory at MSU](#)

Speaker: Robert Moorhead, Director, Visualization Analysis and Imaging Lab, Mississippi State University
Johnston Hall - Room: 338
















May 15, 2007
@15:00:00



[A cookbook approach to parsing and output generation with Spirit2](#)

Speaker: Joel de Guzman, Boost Consulting
Johnston Hall - Room: 218

May 11, 2007
@11:00:00

	<u>Improved outer boundary conditions for Einstein's field equations</u> <i>Speaker:</i> Luisa T. Buchman, University of Texas at Austin Johnston Hall - Room: 338	May 03, 2007 @12:15:00
	<u>Coastal Modeling in the 21st Century: A problem in probability and statistics</u> <i>Speaker:</i> Philip Bogden, Acting Director, SURA Coastal Ocean Observing and Prediction (SCOOP) Program Johnston Hall - Room: 338	Apr 30, 2007 @10:00:00
	<u>Colorado State's Information Science & Technology Center (ISTeC)</u> <i>Speaker:</i> Prof. H. J. Siegel, Colorado State University Johnston Hall - Room: 338	Apr 27, 2007 @16:10:00
	<u>The Role of Information Technology in Robotic Space Exploration</u> <i>Speaker:</i> Dr. Larry Bergman Johnston - Room: 338	Apr 26, 2007 @09:00:00
	<u>Spotlight on UI-Based HPC Applications in Medical Imaging</u> <i>Speaker:</i> Jun Ni, Ph.D. M. E., University of Iowa Johnston Hall - Room: 338	Apr 04, 2007 @11:00:00
	<u>On Enabling Technologies for HPC Class and Manageable Larger-Scale Component-Based Collaborative Environments</u> <i>Speaker:</i> Petr Holub, Masaryk University, Czech Republic Johnston Hall - Room: 338	Apr 02, 2007 @10:00:00
	<u>Towards absorbing outer boundaries in General Relativity</u> <i>Speaker:</i> Olivier Sarbach, Universidad Michoacana de San Nicolas de Hidalgo Johnston Hall - Room: 338	Mar 15, 2007 @12:15:00
	<u>ICT-SSA: Hybrid Scalable Parallel Incomplete Cholesky Preconditioning</u> <i>Speaker:</i> Keita Teranishi, Department of Computer Science and Engineering, The Pennsylvania State University Johnston Hall - Room: 338	Mar 12, 2007 @15:00:00
	<u>Modelling sources of gravitational waves: from the birth of a black hole to the merger of binary systems</u> <i>Speaker:</i> Luciano Rezzolla, Max-Planck-Institute for Gravitational Physics, Albert Einstein Institute Johnston Hall - Room: 338	Mar 08, 2007 @14:00:00
	<u>On Wall Layer Models for Large Eddy Simulation of Turbulent Flows</u> <i>Speaker:</i> Sachin Badarayani, Arizona State University Johnston Hall - Room: 338	Mar 01, 2007 @10:00:00
	<u>Social interaction in computer-augmented environments - towards an understanding of users' experience in interactive spaces</u> <i>Speaker:</i> Dr. Eva Hornecker, Pervasive Interaction Lab, The Open University, UK Johnston Hall - Room: 338	Feb 28, 2007 @15:00:00
	<u>Extreme-Mass-Ratio Inspirals: Another opportunity for Numerical Relativity</u> <i>Speaker:</i> Carlos F. Sopuerta, University of Guelph, Canada Johnston Hall - Room: 338	Feb 28, 2007 @11:30:00
	<u>Numerical Approaches to Neutron Star Pulsations</u> <i>Speaker:</i> Nikolaos Stergioulas, Aristotle University of Thessaloniki Johnston Hall - Room: 338	Feb 21, 2007 @15:00:00
	<u>Exploiting Parallelism in Logic Programming and Non-monotonic Reasoning Systems</u> <i>Speaker:</i> Hung Le, Computer Science Department, New Mexico State University Johnston Hall - Room: 338	Feb 21, 2007 @10:00:00
	<u>Recent development in nonconforming methods for Maxwell equations</u> <i>Speaker:</i> Dr. Fengyan Li, Assistant Professor, Rensselaer Polytechnic Institute Johnston Hall - Room: 338	Feb 19, 2007 @11:00:00



Metal enrichment of the intra-cluster medium over a Hubble time for merging and relaxed galaxy clusters

Speaker: Wolfgang Kapferer, University of Innsbruck
Johnston Hall - Room: 338

Feb 14, 2007
@14:00:00



Image processing at the Infmath Imaging Group ♦ University of Innsbruck

Speaker: Tobias Riser, PhD Student, University of Innsbruck
Johnston - Room: 338

Feb 13, 2007
@13:30:00



Stanford's Foresight and Forsythe's Stanford

Speaker: Paul Saylor, Professor Emeritus, University of Illinois Urbana-Champaign
Johnston - Room: 338

Feb 05, 2007
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Scientific Computing Technologies Devising High-Order Methods and Adaptive Mesh Refinements

Speaker: Hae-Won Choi, National Center for Atmospheric Research, Scientific Computing Division
Johnston Hall - Room: 338

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@10:00:00



Computer Performance Analysis and the Pi Theorem

Speaker: Robert W. Numrich, Minnesota Supercomputing Institute
Johnston Hall - Room: 338

Jan 18, 2007
@09:30:00



The Principle of Computational Least Action

Speaker: Robert W. Numrich, Minnesota Supercomputing Institute
Johnston Hall - Room: 331

Jan 17, 2007
@13:30:00



A Parallel Numerical Library for Co-Array Fortran

Speaker: Robert W. Numrich, Minnesota Supercomputing Institute
Johnston Hall - Room: 338

Jan 17, 2007
@10:30:00



Some remarks on nonconforming finite element methods

Speaker: Dongwoo Sheen, Department of Mathematics, Seoul National University
Johnston Hall - Room: 338

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Case Studies of Australian Companies Offshoring with Indian BPOs

Speaker: Professor Graham Pervan, Curtin University of Technology, Perth, Western Australia
Johnston Hall - Room: 338

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@15:00:00



Random Number Generation: A Practitioner's Overview

Speaker: Prof. Michael Mascagni, Department of Computer Science and School of Computational Science,
Florida State University
Johnston Hall - Room: 338

Nov 29, 2006
@14:30:00



An Introduction to Java

Speaker: Steve White, Scientific Programmer, Max-Planck-Institut f
Frey Computing Services Center - Room: 307

Nov 29, 2006
@08:30:00



An Introduction to High-Resolution Shock-Capturing Methods

Speaker: Luca Baiotti, Albert Einstein Institute, Golm, Germany
Johnston Hall - Room: 338

Nov 08, 2006
@08:30:00



Ingredients of a Virtual Topology Lab: Extracting Topological Features of Flow Fields

Speaker: Tino Weinkauff, Zuse Institute Berlin
Johnston Hall - Room: 338

Nov 06, 2006
@10:00:00



An Introduction to C++ for C Programmers, part 2

Speaker: Jonathan Thornburg, Albert Einstein Institute
Johnston Hall - Room: 338

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@08:30:00



Modern Application Design using Modern Programming Paradigms and a Library-Centric Software Approach

Speaker: Ren
Johnston Hall - Room: 338

Oct 20, 2006
@11:00:00



A Generic Scientific Simulation Environment

Speaker: Ren
Johnston Hall - Room: 338

Oct 18, 2006
@15:00:00



[An Introduction to C++ for C Programmers \(part 1\)](#)

Speaker: Jonathan Thornburg
Johnston Hall - Room: 338

Oct 18, 2006
@08:30:00



[High Resolution Storm Surge Computer Modeling](#)

Speaker: Rick Luetlich, University of North Carolina at Chapel Hill
Johnston Hall - Room: 338

Sep 27, 2006
@11:00:00



[Player-Stage: A Middleware for Ubiquitous Computing](#)

Speaker: Matthias Kranz, Ph.D. student, University of Munich
Johnston Hall - Room: 338

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[Computer Science Issues for Large Scale Applications](#)

Speaker: Dr. Gabrielle Allen, Associate Professor, Department of Computer Science
Coates Hall - Room: 256

Sep 22, 2006
@13:30:00



[Introduction to Blender](#)

Speaker: Alaric Haag, LSU Earth Scan Lab
Frey Computing Services Center - Room: 307

Sep 13, 2006
@13:45:00



[Nanoscale theory and simulation: light interactions with metallic nanosystems](#)

Speaker: Tae-Woo Lee, Post Doctoral Fellow, Argonne National Laboratory
Johnston Hall - Room: 338

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[SADle: Semantics for Accessibility](#)

Speaker: Sean Bechhofer
Johnston Hall - Room: 338

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@09:45:00



[Enhancing Biological Knowledge Using Ontologies](#)

Speaker: Dr. Georgina Moulton
Johnston Hall - Room: 338

Aug 24, 2006
@09:00:00



[Computational Modeling of Woven Composites](#)

Speaker: M. Prabhakar Rao
Johnston Hall - Room: 338

Aug 15, 2006
@15:30:00



[High Performance Computing at the University of Arkansas](#)

Speaker: Amy W. Apon
Johnston Hall - Room: 338

Aug 11, 2006
@10:30:00



[Information processing in cellular networks: fuzziness, sloppiness, and the structure of neutral spaces](#)

Speaker: Chris Myers
Johnston Hall - Room: 338

Aug 01, 2006
@15:30:00



[IntelliForest: a network-centric system for natural habitat monitoring](#)

Speaker: Pawel Lichocki
Johnston Hall - Room: 338

Jul 21, 2006
@15:00:00



[Physics-based prediction of structure and folding pathways of proteins](#)

Speaker: Jozef Adam Liwo
Life Sciences Building Annex - Room: A101

Jul 10, 2006
@15:00:00



[Sierra Computational Mechanics Framework: Managing Complexity for Massively Parallel Adaptive Multiphysics Applications](#)

Speaker: H. Carter Edwards
Johnston Hall - Room: 338

Jul 10, 2006
@10:00:00



[Spin-Spin Interactions in Binary Black Hole Initial Data](#)

Speaker: Scott H. Hawley
Johnston Hall - Room: 338

Jun 21, 2006
@10:00:00



[The Gravitational-Wave Signature of Core-Collapse Supernovae: New Results from Simulations in 3+1 General Relativity](#)

Speaker: Christian Ott
Johnston Hall - Room: 338

Jun 15, 2006
@12:15:00



[Derivative-enhanced Simulation Approach Via Automatic Differentiation Method](#)

Speaker: Jong Kim
Johnston Hall - Room: 338



















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[HD Multipoint Videoconferencing](#)

Speaker: Petr Holub
Johnston Hall - Room: 338

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	<u>The Eclipse Parallel Tools Platform Project</u> <i>Speaker:</i> Nathan DeBardeleben Johnston Hall - Room: 338	Jun 02, 2006 @10:30:00
	<u>Spacetime Discontinuous Galerkin Methods: Applications to Molecular Dynamics and Thermomechanical Response</u> <i>Speaker:</i> Robert Haber CEBA - Room: 2412	May 30, 2006 @13:30:00
	<u>The ADvanced CIRCulation model (ADCIRC)</u> <i>Speaker:</i> Dr. Hassan Mashriqui Johnston Hall - Room: 338	May 19, 2006 @10:00:00
	<u>Resampling & Reanimating Free-Form Surfaces</u> <i>Speaker:</i> Michael Garland Johnston Hall - Room: 338	May 15, 2006 @15:00:00
	<u>Numerical Relativity beyond Scri-</u> <i>Speaker:</i> Charles Misner Johnston Hall - Room: 338	May 08, 2006 @15:30:00
	<u>A New Basis for Spectral Methods</u> <i>Speaker:</i> Qian-Yong Chen Johnston Hall - Room: 338	Mar 27, 2006 @15:30:00
	<u>Towards time stable and high order accurate schemes for realistic</u> <i>Speaker:</i> Ken Mattsson Johnston Hall - Room: 338	Mar 24, 2006 @15:30:00
	<u>High order finite difference methods for wave propagation in discontinuous media</u> <i>Speaker:</i> Ken Mattsson Johnston Hall - Room: 338	Mar 23, 2006 @12:15:00
	<u>High Order One-Step Difference Methods for Wave Propagation</u> <i>Speaker:</i> Bertil Gustafsson Johnston Hall - Room: 338	Mar 22, 2006 @15:30:00
	<u>Computing Accurate Eigenvalues -- from Electrical Impedance Tomography to 3D Target Recognition</u> <i>Speaker:</i> Plamen Koev Johnston Hall - Room: 338	Mar 22, 2006 @10:45:00
	<u>Application of Cartesian SAMR for Real-World CFD</u> <i>Speaker:</i> Ralf Deiterding Johnston Hall - Room: 338	Mar 20, 2006 @09:00:00
	<u>Grid Computing and a Services Economy - The Opportunity for Business Technologists</u> <i>Speaker:</i> Mark Hicks CEBA - Room: 1121	Mar 17, 2006 @10:30:00
	<u>Protein Folding by Molecular Dynamics with the United-Residue Force Field</u> <i>Speaker:</i> Harold Scheraga Life Sciences Annex - Room: A101	Mar 15, 2006 @15:45:00
	<u>Researching & Teaching Emergent Technology: A Case for Business Process Management and Service-Oriented Delivery</u> <i>Speaker:</i> Richard Welke CEBA - Room: 2145	Feb 24, 2006 @10:30:00
	<u>Fast Solvers for Co Interior Penalty Methods</u> <i>Speaker:</i> Susanne Brenner Johnston Hall - Room: 338	Feb 23, 2006 @11:45:00
	<u>The Role of GAT in the D-Grid Project(s)</u> <i>Speaker:</i> Alexander Beck-Ratzka Johnston Hall - Room: 338	Feb 22, 2006 @13:00:00
	<u>Properties of Local Black Hole Horizons</u> <i>Speaker:</i> Stephen Fairhurst Johnston Hall - Room: 338	Jan 31, 2006 @15:15:00
	<u>"Application of the UNRES force field to simulations of folding pathways of multi-chain proteins"</u> <i>Speaker:</i> Ana Rojas Johnston - Room: 331	Dec 12, 2005 @10:00:00



Christian
David

[A New Mechanism for Core-Collapse Supernova Explosions: Implications for Gravitational-Wave Astronomy](#)

Speaker: Christian David Ott
Johnston - Room: 338

Dec 01, 2005
@12:00:00



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David

[A New Mechanism for Core-Collapse Supernova Explosions: Implications for Gravitational-Wave Astronomy](#)

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