LSU | CENTER FOR COMPUTATION & TECHNOLOGY

Interdisciplinary | Innovative | Inventive

LOUISIANA STATE UNIVERSITY

Other

Building GenAI Services with RAG
Speaker: Konstantin Cvetanov, NVIDIA Corporation
Digital Media Center - Room: Theatre
Feb 04, 2025 @12:15:00

Building GenAI Services with RAG
Speaker: Konstantin Cvetanov, NVIDIA Corporation
Digital Media Center - Room: Theatre
Jan 22, 2025 @12:30:00

Walmart Supply Chain Modernization using AI
Speaker: Anupriya Sharma, Walmart Group Director Strategy
Digital Media Center - Room: 1030
Oct 16, 2024 @14:00:00

The Music of James Mobberley
Speaker: James Mobberley, Curators◆ Distinguished Emeritus Professor of Composition at the Conservatory, University of Missouri-Kansas City
Digital Media Center @ LSU - Room: Theatre
Feb 23, 2024 @15:00:00

STEM Careers at the NSA and Quantum Computing
Speaker: Sean Nemetz-MA, National Security Agency
Digital Media Center - Room: Theatre
Feb 08, 2024 @14:00:00

Security Considerations for Mobile Edge Computing
Speaker: Dr. Rajeev Shorey, Adjunct Professor
Digital Media Center - Room: Theatre
Nov 16, 2023 @15:00:00

A parameter domain-decomposition for reduced basis, parameter estimation in near real time?
Speaker: Manuel Tiglio
Digital Media Center - Room: Theatre
Mar 21, 2023 @15:30:00

AEPsych: a platform for live human-in-the-loop experimentation
Speaker: Mike Shvartsman, Meta Reality Labs Research
Zoom/Digital Media Center for Viewing - Room: Zoom/Theatre
Mar 01, 2023 @15:00:00

Continuous Optimization for Learning Bayesian Networks
Speaker: Dr. Yue Yu, Lehigh University
Zoom/Digital Media Center for Viewing - Room: Zoom/Theatre
Feb 08, 2023 @15:00:00

New Faculty Presentations
Speaker: Aisha Ali-Gombe (Computer Science), Cheryl Harrison (Oceanography and Coastal Sciences), Justin Wilson (Physics)
Digital Media Center/Zoom - Room: Theatre/Zoom
Jan 31, 2023 @9:00:00

Machine Learning Techniques for Simulation-Driven Design Optimization
Speaker: Opeoluwa (Ope) Owoyele, Louisiana State University
Hybrid- Digital Media Center/Zoom - Room: 1034
Dec 07, 2022 @15:00:00

Graph Embedding for Interpretable Multiscale Plasticity
Speaker: Steve WaiChing Sun, Columbia University
Zoom/ - Room: Zoom
Nov 29, 2022 @15:00:00

Rethinking the Parallelization of Extreme-scale Deep Learning
Speaker: Abhinav Bhatele, University of Maryland, College Park
Hybrid- Digital Media Center/Zoom - Room: Theatre
Oct 05, 2022 @15:00:00

Recent Investigations in Machine Learning and Edge Computing

Speaker: Rajeev Shorey, The University of Queensland � IIT Delhi Academy of Research (UQIDAR)
Digital Media Center - Room: Theatre/Zoom

Sep 20, 2022 @15:30:00

Secure Onboarding for IoT Devices: Challenges and Emerging Solutions

Speaker: Giridhar D. (Giri) Mandyam, Qualcomm
Digital Media Center - Room: Theatre/Zoom

Sep 19, 2022 @15:30:00

New CCT Faculty Session

Speaker: Abe Baggili (Computer Science); Daijiang Li (Biological Sciences); Jim Sauls (Physics)
Digital Media Center/Zoom - Room: Theatre/Zoom

Sep 14, 2022 @8:30:00

Representative Individuals and Fair Machine Learning

Speaker: Dr. Clinton Castro, Florida International University
Virtual- see abstract - Room: Zoom

May 04, 2022 @15:00:00

Data-driven learning of nonlocal models: bridging scales with nonlocality

Speaker: Marta D�Elia, Sandia National Laboratories
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Apr 06, 2022 @15:00:00

Physics-constrained data-driven physical simulations, using machine learning

Speaker: Youngsoo Choi, Lawrence Livermore National Laboratory
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Mar 02, 2022 @15:00:00

Approximating functions, functionals and operators with neural networks for diverse applications

Speaker: George Em Karniadakis (GS h-index 115), Brown University; MIT; PNNL
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Feb 02, 2022 @15:00:00

Beyond Bias: Algorithmic Unfairness, Infrastructure, and Genealogies of Data

Speaker: Alex Hanna, Google; UC Berkeley
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Dec 01, 2021 @15:00:00

Algorithmic Bias Control in Deep Learning

Speaker: Daniel Soudry, Technion Israel Institute of Technology
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Nov 03, 2021 @14:00:00

Modern Mainframe Security

Speaker: Elizabeth Schweinsberg
Patrick F. Taylor Hall - Room: 1200

Oct 05, 2021 @17:30:00

Deep Learning for the Discovery of Parsimonious Physics Models

Speaker: J. Nathan Kutz, University of Washington in Seattle
Virtual - Room: Zoom- see abstract

Sep 08, 2021 @15:00:00

PiE Model: Integrating Ethical Puzzle-Solving into AI R&D and Deployment

Speaker: Cansu Canca, AI Ethics Lab
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Jun 02, 2021 @13:00:00

Algorithmic Bias and Responsibility: Who, When, To Whom?

Speaker: Mark Coeckelbergh
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

May 26, 2021 @13:00:00

New paradigms of justice: How we can respond to the information crisis

Speaker: Safiya U. Noble, UCLA
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

May 26, 2021 @12:35:00

The Ethical Algorithm

Speaker: Michael Kearns, University of Pennsylvania
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

May 26, 2021 @12:10:00

Scaling Geospatial Artificial Intelligence: Opportunities and Challenges
Speaker: H. Lexie Yang, Oak Ridge National Laboratory
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

May 19, 2021 @13:00:00

Understanding quantum materials using many-body computational tools
Speaker: Hanna Terletska, Middle Tennessee State University
Virtual- SEE BIO - Room: Zoom

May 13, 2021 @15:30:00

LiNi02 as a high-entropy functional material
Speaker: Kateryna Foyevtsova, University of British Columbia - Vancouver, Stewart Blusson Quantum Matter Institute
Virtual- SEE BIO - Room: Zoom

May 11, 2021 @15:30:00

The Groq Tensor Streaming Processor (TSP) and the Value of Deterministic Instruction Execution
Speaker: Utham Kamath, Groq
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

May 05, 2021 @13:00:00

Fast AI: Enabling Rapid Prototyping of AI Solutions
Speaker: Vijay N. Gadepally, MIT Lincoln Laboratory
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Apr 21, 2021 @13:00:00

AI Research and Optimization at Wafer-Scale
Speaker: Andy Hock, Cerebras Systems, Inc
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Apr 07, 2021 @13:00:00

SLIDE: Commodity Hardware is All You Need for Large-Scale Deep Learning
Speaker: Anshumali Shrivastava, Rice University
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Mar 17, 2021 @13:00:00

Scientific Machine Learning (SciML): An overview and Discussion of Applications in Petroleum Engineering
Speaker: John Foster, University of Texas at Austin
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Mar 03, 2021 @13:00:00

Second Order Optimizations for Scalable Training of DNNs
Speaker: Andrew Lumsdaine, Northwest Institute for Advanced Computing
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Feb 17, 2021 @13:00:00

Inexact Proximalstochastic Gradient Method for Empirical Risk Minimization
Speaker: Hongchao Zhang, Louisiana State University
Virtual- REGISTRATION REQUIRED (SEE ABSTRACT) - Room: Zoom

Feb 03, 2021 @13:00:00

Stellar Collisions at the Limits of HPC
Speaker: Orsola De Marco, Macquarie University, Australia
Digital Media Center - Room: 1034

Apr 02, 2020 @23:00:00

4K Video Streaming for Everyone
Speaker: Manuel Tiglio, Universidad Nacional de Cordoba (Argentina)
Digital Media Center - Room: Theatre

Feb 14, 2020 @15:30:00

An Overview of FleCSI: A Compile-time Configurable Framework Designed to Support Multi-physics Application Development
Speaker: Irina Demeshko, Los Alamos National Laboratory
Digital Media Center - Room: Theatre

Feb 06, 2020 @15:30:00

On Ab Initio, Free and Closed-form Expressions for Gravitational Waves
Speaker: Manuel Tiglio, Universidad Nacional de Cordoba (Argentina)
Digital Media Center - Room: Theatre

Jan 17, 2020 @10:00:00

Universality and Scaling in Gravitational Collapse of Massless Scalar Fields in Loop Quantum Gravity
Speaker: Jorge Pullin, Louisiana State University
Digital Media Center - Room: Theatre

Jan 09, 2020 @15:30:00

[Faster Digital Quantum Simulation by Randomization](#)
Speaker: Yuan Su, University of Maryland
Digital Media Center - Room: 1034

Nov 25, 2019 @15:00:00

[Toward End-to-End Quantum Applications](#)
Speaker: Xiaodi Wu, University of Maryland, College Park
Digital Media Center - Room: 1034

Nov 11, 2019 @15:00:00

[Local Failure Local Recovery: Toward Scalable Resilient Parallel Programing Models](#)
Speaker: Keita Teranishi, Sandia National Laboratories
Digital Media Center - Room: 1034

Oct 02, 2019 @11:00:00

[Computational Mathematics](#)
Speaker: Susanne C. Brenner, Louisiana State University
Patrick F. Taylor Hall - Room: 1253

Sep 06, 2019 @15:00:00

[Exoplanet Demographics & Other Science with Wide-Field Photometric Time-Domain Surveys](#)
Speaker: Matthew Penny, LSU Department of Physics & Astronomy
Digital Media Center - Room: 1034

Aug 29, 2019 @09:00:00

[Modern CUDA C++](#)
Speaker: Bryce Adelstein Lelbach
Digital Media Center - Room: Theatre

Jun 14, 2019 @10:00:00

[Electronic Structure with Muffin-tins](#)
Speaker: Liviu Chioncel, University of Augsburg, Germany
Digital Media Center - Room: 1008B

May 30, 2019 @9:30:00

[Neural network quantum impurity solver](#)
Speaker: Ka Ming Tam, Louisiana State University
Digital Media Center - Room: 1008B

May 29, 2019 @9:30:00

[Machine Learning for Quantum Systems](#)
Speaker: Samuel Kellar, Louisiana State University
Digital Media Center - Room: 1008B

May 28, 2019 @15:30:00

[Localization in Energy Materials](#)
Speaker: Yi Zhang, Louisiana State University
Digital Media Center - Room: 1008B

May 28, 2019 @10:30:00

[Typical Medium DCA method for disordered systems](#)
Speaker: Hanna Terletska, Middle Tennessee State University
Digital Media Center - Room: 1008B

May 28, 2019 @09:30:00

[A Primer on Machine Learning](#)
Speaker: Nicholas Walker, Louisiana State University
Digital Media Center - Room: 1008B

May 27, 2019 @15:30:00

[An Introduction to Deep Learning and Its Applications in Evolutionary Biology](#)
Speaker: Lex Flagel, University of Minnesota
Digital Media Center - Room: 1034

Apr 08, 2019 @16:30:00

[Taking the pulse of avian aerial passage in North America](#)
Speaker: Kyle Horton, Cornell Lab of Ornithology at Cornell University
Digital Media Center - Room: Theatre

Feb 05, 2019 @15:00:00

[Using integrative Bayesian approaches to examine ecological and evolutionary influences on disease dynamics](#)
Speaker: Graziella DiRenzo, Department of Ecology, Evolution, & Marine Biology at the University of California, Santa Barbara
Digital Media Center - Room: Theatre

Jan 29, 2019 @15:00:00

Mathematical modeling and optimization and their applications in biology

Speaker: Yijie Wang, Computational Biology Branch of the National Institutes of Health
Digital Media Center - Room: 1034

Jan 23, 2019
@15:00:00

Privacy Preserving Analysis: Private Recommendation Generation and Private Information Learning

Speaker: Shahriar Badsha, Cybersecurity Center, Department of Computer Science and Engineering, University
of Nevada, Reno
Digital Media Center - Room: 1034

Jan 18, 2019
@08:30:00

Statistical models on Phylogenetic Networks

Speaker: Claudia Solis-Lemus, Department of Human Genetics at Emory University
Digital Media Center - Room: 1034

Jan 15, 2019
@15:00:00

Consensus Functions on Graphs: The case of Center and Median Functions

Speaker: Manoj Changat
Digital Media Center - Room: 1034

Dec 13,
2018
@15:30:00

Making with Meaning: Digital Media at Georgia Tech

Speaker: Brian Magerko, Georgia Tech
Digital Media Center - Room: Theatre

Nov 07,
2018
@16:00:00

Learn about mass spectrometry applications for omics research from discovery to quantitation

Speaker: Thomas Hubbell, Matthew Skaley, and Mackenzie Pearson
Digital Media Center - Room: Theatre

Oct 09, 2018
@12:00:00

Distributed Garbage Collection for General Graphs

Speaker: Steven Brandt, Louisiana State University
Patrick F. Taylor Hall - Room: 3250 H

Aug 31,
2018
@15:00:00

Getting to �See� the River and How We Use Physical Modeling for Research, Education and Outreach

Speaker: Clinton S. Willson, PhD, PE
Digital Media Center - Room: Theatre

Jul 25, 2018
@14:00:00

CodeWorld: Teaching at the Intersection of Algebra, Computer Science, and Creativity

Speaker: Chris Smith, Google LLC
Digital Media Center - Room: Theatre

Jun 06, 2018
@14:00:00

Homogenization of Integral Energies Under Periodically Oscillating Differential Constraints

Speaker: Irene Fonseca
Digital Media Center - Room: Theatre

Apr 05, 2018
@10:30:00

Mind, Machine, and Motor Nexus (M3X): a new NSF Program advancing the frontiers of human-machine interaction

Speaker: Robert Scheidt, National Science Foundation (NSF)
Digital Media Center - Room: Theatre

Mar 08,
2018
@15:30:00

Scientific Articles as Arguments

Speaker: Steve Katz, Clemson University
Digital Media Center - Room: Theatre

Nov 08,
2017
@15:30:00

Einstein, gravitational waves and black holes

Speaker: Gabriela Gonzalez, Louisiana State University
Digital Media Center - Room: Theatre

Jul 26, 2017
@17:00:00

Towards a More Resilient Android Malware Fingerprinting

Speaker: Aisha Ali-Gombe
Digital Media Center - Room: 1034

Apr 21, 2017
@10:30:00

Enterprise Manufacturing Intelligence in Dow � what is it and why do we need it?

Speaker: Dr. Lloyd F. Colegrove
Patrick F. Taylor Hall - Room: 1100

Mar 31,
2017
@15:00:00

Innovative Computing for Complex Multiphase Flows
Speaker: Damir Juric, Centre National de la Recherche Scientifique
Patrick F. Taylor Hall - Room: 1100

Feb 24, 2017 @15:00:00

Process and Product Development Modeling
Speaker: Aravind Rammohan, Corning Incorporated
Patrick F. Taylor Hall - Room: 1100

Feb 17, 2017 @15:00:00

Advancing Industrial and Environmental Processes Multiphase Reactors by Benchmarking CFD via Sophisticated Measurement Techniques
Speaker: Muthanna Al-Dahhan, Missouri University of Science and Technology
Patrick F. Taylor Hall - Room: 1100

Jan 27, 2017 @15:00:00

Digital Drug Product Design: From Crystal Structure to Process Structure
Speaker: Michael F. Doherty, University of California Santa Barbara
Digital Media Center - Room: Theatre

Dec 02, 2016 @15:00:00

Unit Operations of Manufacturing
Speaker: Roger T. Bonnecaze, The University of Texas at Austin
Digital Media Center - Room: Theatre

Oct 07, 2016 @15:00:00

Process Improvements at a Cane Sugar Plant
Speaker: Mullapudi Narendranath, The Andhra Sugars Limited, India
Digital Media Center - Room: Theatre

Sep 23, 2016 @15:00:00

The Challenges of Virtual Reality Video
Speaker: Robert Kooima, Assistant Professor
Electrical Engineering Building - Room: 117

Sep 09, 2016 @22:00:00

Advances in Large-Amplitude Oscillatory Shear Flow
Speaker: A. Jeffrey Giacomin
Digital Media Center - Room: 1034

Sep 02, 2016 @15:00:00

Using Machine Learning to Create Musical Instruments and Expressive Interactions
Speaker: Rebecca Fiebrink, Goldsmiths College, University of London
Digital Media Center - Room: Theatre

Jul 26, 2016 @16:30:00

Numerical Investigations of the Universe Beyond the Big Bang
Speaker: Parampreet Singh, Physics and Astronomy, LSU
Digital Media Center - Room: 1034

May 02, 2016 @15:30:00

How Can We Successfully Deploy New EOR Technologies to the Field
Speaker: Wafik Beydoun, ADNOC (UAE)
Digital Media Center - Room: 1034

Apr 29, 2016 @15:00:00

Beyond Publishing Papers. The Challenges and Rewards of Launching and Running a High-tech Startup: A Personal Perspective
Speaker: Manuel Tiglio, FASTech, LLC & University of California at San Diego
Digital Media Center - Room: Theatre

Apr 28, 2016 @15:30:00

The Role of Programmers in Modern Game Development
Speaker: Edward Kilham, Electronic Arts Vancouver
Digital Media Center - Room: Theatre

Apr 21, 2016 @10:30:00

A Presentation and Conversation with Daniel Dociu
Speaker: Daniel Dociu, NCsoft
Art Building - Room: 330

Apr 21, 2016 @10:00:00

EarSketch and Web Audio in K-12 Education and Live Coding
Speaker: Jason Freeman, Georgia Tech
Digital Media Center - Room: 1030

Apr 20, 2016 @10:00:00

Hydrodynamic, Interfacial Phenomena and Energy Utilization in Multiphase Systems

Speaker: Geoffrey Evans, University of Newcastle, Australia
Digital Media Center - Room: 1034

Apr 01, 2016
@15:00:00

Process Intensification with Near-Critical Media

Speaker: Bala Subramaniam, University of Kansas
Digital Media Center - Room: 1034

Feb 05, 2016
@15:00:00

Sustainable Bioproducts Initiative: Production of Biofuels and Biobased Chemicals from Multiple Agricultural Feedstocks

Speaker: John S. Russin, LSU Agricultural Center
Tureaud Hall - Room: 206

Jan 29, 2016
@15:00:00

Managing the Curse of Scales � An Aerospace Engineer�s Flight into Modeling Complex Heterogeneous Chemical Reactors

Speaker: Sreekanth Pannala, SABIC, Houston
Digital Media Center - Room: 1034

Jan 22, 2016
@15:00:00

Particulate Flow Across Multi-scales: Numerical Strategies for Momentum, Heat and Mass Transfer

Speaker: Anthony Wachs, University of British Columbia
Patrick Taylor Hall - Room: 1502

Nov 20, 2015
@15:30:00

Unconventional Oil and Gas Reservoir Modeling and Simulation

Speaker: Zhangxing John Chen, University of Calgary, Canada
Patrick F. Taylor Hall - Room: 1502

Nov 06, 2015
@15:00:00

Science and Technology of Music

Speaker: Stephen David Beck, Louisiana State University
Chelsea's Cafe - Room: Cafe

Oct 27, 2015
@18:00:00

Enabling Computational Modeling of Novel Fuel Atomization Processes

Speaker: Olivier Desjardins, Cornell University
ELAB Building - Room: Frank H. Walk

Oct 23, 2015
@15:00:00

Using Simulation to Quantify the Sensitivity of Mechanical Property Distributions to Features of the Microstructural State in Engineering Alloys

Speaker: Paul Dawson, Cornell University
Patrick F. Taylor Hall - Room: 1502

Oct 09, 2015
@15:00:00

The World is Your Oyster: The Life Cycle and Future of Louisiana's Most Beloved Bivalve

Speaker: John Supan, Louisiana State University
Chelsea's - Room: Cafe

Sep 29, 2015
@18:00:00

Filtered Two-fluid Models for Fluidized Gas-particle Suspensions

Speaker: Sankaran Sundaresan, Princeton University
Patrick F. Taylor Hall - Room: 1502

Sep 25, 2015
@15:30:00

Numerical Analysis For Multi-Physics Moving Interface Problems

Speaker: Shawn Walker, Louisiana State University
Lockett Hall - Room: 277

Sep 17, 2015
@15:30:00

Ethylene Oxide Catalyst and Process Innovations

Speaker: Madan M. Bhasin, Ph.D., NAE member
Patrick F. Taylor Hall - Room: 1502

Sep 11, 2015
@15:30:00

Development of Cyberinfrastructure: Networks, Clusters, and S/W Frameworks for Big Data

Speaker: Seung-Jong Jay Park, Louisiana State University
Electrical Engineering Building - Room: 117

Sep 09, 2015
@15:00:00

Detecting the Gravitational Wave: Listening to the Universe from LIGO Livingston

Speaker: Gabriela Gonzalez, LSU
Chelsea's Cafe - Room: Restaurant

Jul 28, 2015
@18:00:00

[Hospitality Analytics: Maximize Customer Service and Firm Profits](#)

Speaker: Rohan Ashar, Revenue Management Solutions and Marco Benvenuti, Duetto
Business Education Complex - Room: Rotunda

Apr 28, 2015
@13:00:00

[Government Analytics: Creating Efficiency in the Public Sector](#)

Speaker: Mike Flowers, Marie Lowman and Oliver Wise
Business Education Complex - Room: Rotunda

Mar 31, 2015
@13:00:00

[Processing of Complex Fluids for the Consumer Products Industry - A Case Study of Wormlike Micelle Solutions](#)

Speaker: William Hartt, The Procter & Gamble Co.
Patrick F. Taylor Hall - Room: 1502

Jan 30, 2015
@15:00:00

[Water Modeling for Coastal, Marine and Water Resources Projects: Tools and Cases](#)

Speaker: Dale Kerper and Jesper Kjelds, Danish Hydraulic Institute
Digital Media Center - Room: Theatre

Jan 20, 2015
@13:30:00

[Analytics: Ensuring Actionable Results in Organizations](#)

Speaker: Analytics Speaker Series
Business Education Complex - Room: Rotunda

Jan 20, 2015
@13:00:00

[Mulit-scale Discussions on Gas Storage and Transport in Organic-rich Shale](#)

Speaker: I. Yucel Akkutlu, Texas A&M University
Patrick F. Taylor Hall - Room: 1502

Jan 16, 2015
@15:30:00

[Sounds of Science](#)

Speaker: Domenico Vicinanza, The International Council of Fine Arts Deans
Digital Media Center - Room: Theatre

Nov 19, 2014
@15:30:00

[YBiogeo-optics: Suspended Particulate Matter in the Northern Gulf of Mexico and Other Coastal Oceans. Applications and Remote-Sensing Comments](#)

Speaker: Robert H. Stavn, University of North Carolina at Greensboro
Digital Media Center - Room: 1034

Oct 14, 2014
@10:30:00

[Some numerical issues about quantifying the effects of uncertainty](#)

Speaker: Xiaoliang Wan, LSU
Lockett Hall - Room: 235

Sep 10, 2014
@15:30:00

[Analysis LED Design In Virtual Space](#)

Speaker: Egidio (Ed) Marotta, GE Oil & Gas
Patrick F. Taylor Hall - Room: 1106

May 09, 2014
@15:30:00

[Condensed Matter Nuclear Physics*](#)

Speaker: Jerry P. Draayer, LSU
Digital Media Center - Room: Theatre

May 02, 2014
@11:00:00

[Renyi Generalizations of the Conditional Quantum Mutual Information](#)

Speaker: Mark Wilde, LSU Department of Physics/CCT
Lockett Hall - Room: 233

Apr 29, 2014
@15:30:00

[Adaptive Confidence Intervals for Non-smooth Parameters](#)

Speaker: Susan Murphy, University of Michigan
Digital Media Center - Room: Theatre

Apr 28, 2014
@16:30:00

[On the Road to Greatness: Building a World Class Program in Information Technology and Cybersecurity Research](#)

Speaker: Jeff Moulton, Georgia Tech Research Institute
Energy, Coast, and Environment Building - Room: Dalton Woods Auditorium

Apr 28, 2014
@16:00:00

[Getting SMART about Adapting Interventions](#)

Speaker: Susan Murphy, University of Michigan
Digital Media Center - Room: Theatre

Apr 28, 2014
@15:30:00

Particle-Resolved Direct Numerical Simulation for Gas-Solid Flow Model Development

Speaker: Shankar Subramanium, Iowa State University
Patrick F. Taylor Hall - Room: 1106

Apr 25, 2014
@15:30:00

The Next-Generation Predictive Tools For Multiphase Flows

Speaker: Omar Matar; Imperial College London
Patrick Taylor Hall - Room: 1106

Apr 04, 2014
@15:30:00

Challenges for the Chemical Industry in the 21st Century

Speaker: Alan Nelson, The Dow Chemical Company, Midland, Michigan USA
Patrick F. Taylor Hall - Room: 1106

Mar 21, 2014
@15:30:00

Recent Advances in Electrochemical Energy Storage

Speaker: Sanjoy Banerjee, Director of CUNY Energy Institute
Patrick F. Taylor Hall - Room: 1106

Mar 14, 2014
@15:30:00

On the Coastal Dynamics of Global Climate Change

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

Mar 14, 2014
@13:30:00

Multiscale Process Engineering (MPE) Concepts in Reaction Engineering Practice

Speaker: M. P. Dudukovic, Laura and William Jens Professor
Patrick F. Taylor Hall - Room: 1106

Feb 21, 2014
@15:30:00

A High-resolution Spherical Imaging Pipeline for Interactive Display

Speaker: Robert Kooima, Assistant Professor, LSU Division of Computer Science & Engineering
Patrick F. Taylor Hall - Room: 3225

Feb 21, 2014
@15:00:00

Quantifying the Uncertainty in Multiphase CFD Predictions

Speaker: Dr. Madhava Syamlal
Frank H. Walk Room (Engineering Lab Annex) - Room: ELAB

Feb 07, 2014
@15:30:00

Transient Multiphase Flow and its Application to Production Operations

Speaker: Dr. H. Lee Norris III
Patrick F. Taylor Hall - Room: 1106

Jan 24, 2014
@15:30:00

Process Intensification through Computational and Experimental Fluid Dynamics

Speaker: Mayur Sathe, The University of Newcastle, Australia
LSU Digital Media Center - Room: 1034

Dec 20, 2013
@10:00:00

Modeling Oceanic Flows Using Reynolds Averaged Navier-Stokes Model and Large Eddy Simulation Model

Speaker: Jun-Hong Liang, University of Washington
Digital Media Center - Room: Theatre

Dec 10, 2013
@10:30:00

Metamaterials Open New Horizons in Electromagnetism

Speaker: Professor Sir John Pendry, Imperial College, London
Louisiana State University - Room: Hill Memorial Library

Dec 09, 2013
@10:00:00

Coastal Hydrodynamic and Morphodynamics

Speaker: Giulio Mariotti, Massachusetts Institute of Technology
Digital Media Center - Room: Theatre

Dec 04, 2013
@13:30:00

Turbulence Resolving Two-Phase Flow Simulations in Wave-driven Boundary Layers and its Implications to the State of Muddy Seabed

Speaker: Celalettin Ozdemir, Woods Hole Oceanographic Institution
Digital Media Center - Room: Theatre

Dec 03, 2013
@10:00:00

Bioinformatics - A Missing Piece in Your Toolkit

Speaker: Ivana Mihalek, Bioinformatics Institute - Singapore
Digital Media Center - Room: Theatre

Nov 21, 2013
@15:30:00

Flows with Suspended Particles
Speaker: Andrea Prosperetti, Johns Hopkins University, University of Twente
Patrick F. Taylor Hall - Room: 1106

Nov 15, 2013 @15:30:00

Imaging Failures with X-rays and Neutrons: Flame Retardants and Batteries
Speaker: Les Butler, Louisiana State University
Digital Media Center - Room: Theatre

Nov 15, 2013 @11:30:00

An Integrated Ocean Circulation, Wave, Atmosphere and Marine Ecosystem Nowcast/Forecast System for the South Atlantic Bight and Gulf of Mexico
Speaker: George Xue, North Carolina State University
Digital Media Center - Room: 1034

Nov 15, 2013 @10:30:00

Modeling of Coastal Flood Hazards
Speaker: Yefei Bai, University of Hawaii
Digital Media Center - Room: Theatre

Nov 12, 2013 @11:00:00

Advances in Industrial Adoption of Simulation in New Product and Process Development
Speaker: Anirudh Mukhopadhyay, ANSYS, Inc.
Patrick F. Taylor Hall - Room: 1106

Nov 01, 2013 @14:00:00

Building a Bioinformatics Support Program at Louisiana State University
Speaker: Lynn Young, National Institutes of Health Library Bioinformatics Support Program
Digital Media Center - Room: 1034

Oct 30, 2013 @10:00:00

Predictability and Uncertainty in Large-Scale Simulations
Speaker: George Karniadakis, Brown University
Engineering Laboratory Annex - Room: Frank H. Walk Design Presentation Room

Oct 25, 2013 @15:30:00

Computational Fluid Dynamics in Chemical Reaction Engineering: History, Impact and Potential
Speaker: Patrick L. Mills, Texas A&M University - Kingsville
Patrick F. Taylor Hall - Room: 1106

Oct 18, 2013 @14:00:00

Strange Bedfellows: Superconductivity Enabling Magnetism
Speaker: Ilya Vekhter, Louisiana State University
Digital Media Center - Room: Theatre

Oct 18, 2013 @11:30:00

Interface Instability in Evaporation and Convection
Speaker: Ranga Narayanan, University of Florida
Patrick F. Taylor Hall - Room: 1106

Oct 11, 2013 @14:00:00

Breakup of the H2 Molecule by Ultrashort XUV Laser Radiation: A Time-Dependent Treatment
Speaker: Xiaoxu Guan, Drake University
Digital Media Center - Room: Theatre

Oct 11, 2013 @10:00:00

Reliability and Process Improvements through the use of CFD
Speaker: Kevin Reid, P.Eng
Patrick Taylor Hall - Room: 1106

Oct 04, 2013 @14:00:00

Superconductivity and Magnetism: Enduring Frenemies
Speaker: David J. Singh, Oak Ridge National Laboratory
Nicholson Hall - Room: 109

Oct 03, 2013 @15:30:00

The variational approach to fracture: recent developments and extensions
Speaker: Blaise Bourdin
Lockett - Room: 285

Sep 24, 2013 @15:30:00

How Hard Is It To Decide if A Quantum State is Entangled or Not?
Speaker: Mark Wilde, LSU
Nicholson Hall - Room: 435

Sep 20, 2013 @15:30:00

Displacement and mixing processes in inclined ducts
Speaker: Ian A. Frigaard, UBC, Vancouver, Canada
Patrick Taylor Hall - Room: 1106
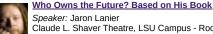
Sep 20, 2013 @15:30:00

Recent Advances on Gradient Methods in Nonlinear Optimization
Speaker: Hongchao Zhang
Lockett Hall - Room: 285

Sep 19, 2013 @15:30:00

Future Challenges in Energy Production: Some R&D Opportunities in Multi-phase Fluid Flow
Speaker: Shaffiq Jaffer, TOTAL, VP Corporate Science and Technology Projects
Patrick Taylor Hall - Room: 1106

Sep 06, 2013 @14:00:00

Who Owns the Future? Based on His Book
Speaker: Jaron Lanier
Claude L. Shaver Theatre, LSU Campus - Room: Theatre

Aug 26, 2013 @17:30:00

Q&A Session with Jaron Lanier
Speaker: Jaron Lanier; performing artist, composer, computer scientist
Digital Media Center, LSU Campus - Room: Auditorium

Aug 26, 2013 @11:00:00

Advanced Computer Models of Multiphase Chemical Processes
Speaker: Krishnaswamy Nandakumar, LSU
Johnston Hall - Room: 338

Mar 15, 2013 @11:00:00

Power Constrained Performance Optimization in Computer Systems
Speaker: Kai Ma, Ohio State University
Johnston Hall - Room: 338

Mar 04, 2013 @09:30:00

Automated Empirical Optimization of High Performance Floating Point Kernels
Speaker: R. Clint Whaley, University of Texas at San Antonio
Johnston Hall - Room: 338

Feb 22, 2013 @09:30:00

EMDM Jamoma Workshop
Speaker: Timothy Place, Cycling 74
Music & Dramatic Arts Building - Room: 248

Feb 20, 2013 @15:30:00

A Tale of Two Functions: Enzymatic Activity or Translational Repression by a Biotin-Dependent Enzyme
Speaker: Grover Waldrop, LSU
Johnston Hall - Room: 338

Dec 10, 2012 @14:00:00

Effect of Magnetic Field on Dynamical Instability of Neutron Stars
Speaker: Roberto De Pietri, Parma University, Italy
Nicholson Hall - Room: 262

Dec 04, 2012 @12:10:00

Preparing for the Digital Tsunami
Speaker: Marc Aubanel, The Art Institute of Vancouver
Johnston Hall - Room: 338

Dec 03, 2012 @15:30:00

Molecular Modeling of Interfacial Systems: Environmental and Nanomaterials Applications
Speaker: Francisco Hung, LSU
Johnston Hall - Room: 338

Nov 16, 2012 @14:00:00

Probing Long Time-Scale Events with Advanced Simulation Techniques
Speaker: Bin Chen, LSU
Johnston Hall - Room: 338

Nov 14, 2012 @10:00:00

Past, Present and Future of Aquatic Ecosystem Modeling: Can Biology and People Keep Up with Computers?
Speaker: Dubravko Justic, LSU
Johnston Hall - Room: 338

Nov 07, 2012 @09:00:00

Theory and Computation for Understanding the Li-air Battery

Speaker: William A. Shelton, Pacific Northwest National Laboratory
Tureaud Hall - Room: 206

Oct 11, 2012
@13:30:00

Pragma based GPU programming with OpenACC

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

Oct 11, 2012
@12:30:00

The Data and Compute-Driven Transformation of Modern Science

Speaker: Edward Seidel, NSF Mathematical and Physical Sciences
Life Sciences Annex Auditorium - Room: A101

Jul 13, 2012
@15:00:00

The Development of High Performance Scientific Applications

Speaker: William Shelton, Pacific Nothwest National Laboratory
Johnston Hall - Room: 338

May 03, 2012
@10:45:00

Computation for Physics in Real Materials

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

Apr 26, 2012
@10:45:00

Speeding Up Nek5000 with Autotuning and Specialization

Speaker: Jaewook Shin, Hewlett Packard
Johnston Hall - Room: 338

Apr 20, 2012
@10:30:00

Quantum Computation and Quantum Error Correction

Speaker: Mark M. Wilde, McGill University
Johnston Hall - Room: 338

Apr 05, 2012
@10:30:00

Numerical Techniques in Optimal Control

Speaker: William Hager, University of Florida
Johnston Hall - Room: 338

Oct 19, 2011
@15:00:00

Deblurring Images: Matrices, Spectra, and Filtering

Speaker: James Nagy, Emory University
Johnston Hall - Room: 338

Aug 27, 2010
@11:00:00

Information-integration approaches to biological discovery in high-dimensional data

Speaker: John Quackenbush
Life Sciences Annex Auditorium - Room: A101

May 28, 2009
@15:00:00

Educational Portals for the Ralph Regula School of Computational Science

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

Oct 16, 2008
@14:00:00

Cinema for the Ears: The Best Music You�ve Never Heard

Speaker: Roger B. Dannenberg, Carnegie Mellon University
Shaw Center for the Arts - Room: Manship Black Box Studio

Oct 08, 2008
@20:00:00

EA Sports to Host Meet-and-Greet with Students

Speaker: EA Games
Johnston Hall - Room: 338

Oct 02, 2008
@14:00:00

CCT Unveils LSU in Second Life

Speaker: Stephen D. Beck, et al.
Johnston Hall - Room: 338

May 08, 2008
@11:00:00

Modeling Oil and Gas Discharges from Deepwater Blowouts

Speaker: Dr. Poojitha Yapa, Clarkson University
Johnston Hall - Room: 338

Sep 17, 2007
@15:00:00

LSU High Performance Computing

Speaker: Dr. Shangli Ou, Louisiana State University
Johnston Hall - Room: 338

Sep 10, 2007 @15:00:00

Portable, Extensible Toolkit for Scientific Computation (PETSc)

Speaker: Hong Zhang
Johnston Hall - Room: 338

Apr 23, 2007 @10:00:00

Google Job and Internship Recruitment

Speaker: Meet with GOOGLE engineers
Dodson - Room: Auditorium

Jan 31, 2007 @17:00:00

Watch Super Computing '06 via the Access Grid

Speaker: View schedule at www.cct.lsu.edu
Johnston Hall - Room: 338

Nov 14, 2006 @07:30:00