

Speaking of Science

We send Louisiana researchers into your classroom to talk about:

Science, Technology, Engineering & Mathematics



Speaking of Science (SoS) speakers are counted among the State's finest teaching and research talent in the STEM disciplines. They tailor their presentations to their respective audiences and are available free of charge for presentations to groups of K-16 students, educators, parents, and general audiences throughout Louisiana. Speakers will travel to any city as their schedule allows. To find the most current list of presentations, please visit our website at <https://web.laregents.org/?p=390>.



Program Objectives

- * To spark the interest of students in the science, technology, engineering and math professions.
- * To increase public awareness of exciting research and development in Louisiana.
- * To showcase Louisiana's leading scientists and their cutting-edge research.

To Schedule a Presentation: Scheduling is easy! Just complete the short SoS Presentation Request Form on the last page of this packet and fax to (225) 342-3371, or for assistance, call Susan Jernigan at the Board of Regents at (225) 219-7173.

Presentation Length: Most presentations are designed for a one-hour session. However, a speaker may be able to adjust his or her presentation to meet the needs of the requesting organization. Please specify any time limits when scheduling a presentation.





Sponsored by the National Science Foundation and the Board of Regents'
Louisiana Experimental Program to Stimulate Competitive Research

Take a look at what SoS has to offer!

The presentations listed below are arranged by audience and subject area. Please contact our office for more information on each topic. Unless otherwise indicated, K-12 presentation topics are appropriate for all grade levels under which they are listed. **K-12 topics listed with an asterisk (*) are also appropriate for presentations to parents, those listed with a plus sign (+) are also appropriate for presentations to K-12 educators and those listed with a number sign (#) are also appropriate for presentations to College Undergraduates and Faculty.**

To learn our Speakers' universities and titles, please see pages in the back of this brochure.





- Dr. Allison "Music in Motion: Laptops, Mobile Phones and Making the Future of Making Music" *+
"The Music of the Spheres: recent connections between Art and Science" *+ # 
- Dr. Bagayoko "The Scientific Method for All" (2nd – 5th)
- Dr. Blake "Let's make slime! Atoms, molecules and how they move" (New Orleans area only)
- Dr. Chakravorty "Chemistry is Fun!"
"Computers and Tablets – More than just for social networking!" *+ # (2nd – 5th)
"Proteins, Enzymes and Other Mysteries of the World" *+ # (2nd – 5th)
"Whodunit? Mystery Lab Show"
- Dr. Dua "From Facebook to Cyber Warfare: The Triumph of Information and Data Mining" #
"The Advent of Facebook: A Boon or a Threat?" *+ #
"The Pursuit of Scientific Research: The need and implications" *+ #
- Dr. Hollerman "Low and slow cooking: Understanding the physics of barbecue" +*
"Rockets and starships: An overview of astronomy and astrophysics in the early 21st century" *+
"Understanding wintergreen candy: A lifetime of making things glow in the dark" *+
"What is the role of physics in society?" *+
- Dr. Joshi "Corrosion Fatigue and Fracture of Aircraft Materials" (Fourth and Fifth grade only) + 
- Dr. Kinsland "The Chicxulub Impact: The Collision That Killed the Dinosaurs" *+ #
"Think the Land is Flat Around Lafayette? Let's Look with Lasers!" *+ #
- Dr. Lawrence "Polymers and DNA: Discovering the World of Biomaterials" *+
- Dr. Mainardi "Exploring the forms of carbon with molecular modeling" *+
"Nanotechnology: Good or bad?" *+
- Dr. Molina "Girls Can Be Scientists" (New Orleans area only) #
- Dr. Pesika "Sticky materials inspired by gecko lizards" *+
- Dr. Sidorovskaia "Whale stories from the Gulf of Mexico" *+

- Dr. Stringer "Unique and Amazing Monumental Earthworks at Poverty Point World Heritage Site"*+ (4th and up)
 "Ancient Megatoothed Sharks from northeast Louisiana"*+ (4th and up)
 "T. rex: From Top to Bottom" (1st through 5th)
 "Fossils Whales of North Louisiana"*+ (3rd and up)
- Dr. Yang "Refractory High Entropy Alloy Development: from Computer Design to Real Product"*+ #






Science

- Dr. Bagayoko "Learning or Teaching Effective Problem-Solving" #
 "The Versatility and Wonders of Physics" #
 "Careers in Science and Engineering and the English and Mathematics it takes" 🌟
- Dr. Bishop "The ABC's of DNA"
- Dr. Blake "Let's make slime! Atoms, molecules and how they move" (New Orleans area only)
- Dr. Chakravorty "Chemistry is Fun!"
 "Proteins, Enzymes and Other Mysteries of the World"*+ #
 "Whodunit? Mystery Lab Show"
- Dr. Dobie "Myths and Memories Surrounding Motion Sickness"
 "Preventing Seasickness and Other Forms of Motion Discomfort"*+
- Dr. Ellwood "A Global Perspective on Modern Developments in Stratigraphy: Redefining Geologic time"*+
 "Our Spectacular National Park Areas and their Geology"*+
- Dr. Genov "The Magic of Science or How to Make the Harry Potter Invisibility Cloak"+ #
- Dr. Ghose-Hajra "Reduce, Reuse, and Recycle towards a Sustainable Future"*+ #
 "Restoring Coastal Louisiana – Benefits and Challenges" *+ #
- Dr. Gossett "Believe It or Not: Plants Also Suffer From Stress"*+
- Dr. Hollerman "Low and slow cooking: Understanding the physics of barbecue" +*
 "What is the role of physics in society?"*+
 "Just exactly what does it mean to be physics major?"
 "A scientist's view of developing patents and intellectual property"
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 "Understanding wintergreen candy: A lifetime of making things glow in the dark"*+
- Dr. Joshi "Corrosion Fatigue and Fracture of Aircraft Materials"+ 🌟
- Dr. Karunatilake "Living science fiction on Mars and beyond"*+
 "Discoveries unimagined by 2001: A Space Odyssey"*+
 "Discovering Mars"*+
 "A story of water on Mars from maps of hydrogen and sulfur"*+

Dr. Kinsland	"The Chicxulub Impact: The Collision That Killed the Dinosaurs"*+
Dr. Lawrence	"Polymers and DNA: Discovering the World of Biomaterials" *+
Dr. Mainardi	"Exploring the forms of carbon with molecular modeling" *+ "Nanotechnology: Good or bad?" *+
Dr. McCarthy	"Fusion Energy: Creating a Star on Earth"*+
Dr. Merchant	"The American Alligator: From Marsh to Medicine"*+ "Color Change in Crocodile: Adaptation to environment" 
Dr. Mitchell	"From Silly Putty to Superconductors: Careers in Materials Science and Engineering"*+ # 
Dr. Molina	"Girls Can Be Scientists" (New Orleans area only) "How Alcohol Intoxication Can Affect How the Body Responds to Injury" (8th grade only; New Orleans area only)
Dr. Ramachandran	"Electrochemistry – The Chemistry of Electricity"*+
Dr. Richter	"4.6 billion years: a brief history of Earth" +* # "Exploring the Earth's oceans with a drill ship"+* # "The Geology of Louisiana"+* # "What's up with global warming?" +* #
Dr. Sidorovskaia	"Whale stories from the Gulf of Mexico"*+
Dr. Sridhar	"Role of Chemistry in Drug Discovery"
Dr. Stringer	"Unique and Amazing Monumental Earthworks at Poverty Point World Heritage Site"*+ "Ancient Megatoothed Sharks from northeast Louisiana"*+ "Fossils Whales of North Louisiana"*+ "What is a Fish Otolith and How is it Used in Science?"*+

Technology & Computers

Dr. Allison	"Music in Motion: Laptops, Mobile Phones, and Making the Future of Making Music" *+ # "The Music of the Spheres: recent connections between Art and Science" *+ # 
Dr. Berdahl	"Microsampling and Mash-Ups"  "Making Music with Solar-Powered Electronics" 
Dr. Bishop	"Supercomputing: Anytime, Anyplace" *+ # "So Many Computers So Little Time: How to use 1,000's of Computers at Once" "Little Fe and Me: Demonstrations with a portable parallel computer"
Dr. Cao	"Let's Measure Trees"+ "Can You Guess How Fast Trees Grow?"
Dr. Chakravorty	"Computers and Tablets – More than just for social networking!" +* #
Dr. Dua	"From Facebook to Cyber Warfare: The Triumph of Information and Data Mining"*+ # "Data Mining for Cybersecurity Applications: Opportunities and Challenges" # "What does your Genetic Profile and Facebook Profile have in common: Personalized Data Mining for Knowledge Discovery" # "Information Fusion and Data Mining Paradigms for the Cyber Domain: Computational Frameworks

and Algorithmic Challenges" #

"From Bio-informatics to Cyber-Informatics: *The Tsunami of Data and the Discovery of Knowledge*" #

"The Advent of Facebook: A Boon or a Threat?" *+#

"The Pursuit of Scientific Research: The need and implications" *+#

Dr. Karunatillake "Counting planetary sand grains with computer vision"*+

Dr. Mainardi "Exploring the forms of carbon with molecular modeling"*+

Dr. Tims "Cyber Discovery – a multidisciplinary approach to training cyber citizens"*+
"A Vehicle to Drive the Next Generation"

Dr. Yang "Refractory High Entropy Alloy Development: from Computer Design to Real Product" #


Engineering

Dr. Bagayoko "Careers in Science and Engineering and the English and Mathematics it takes" 

Dr. Genov "The Magic of Science or How to Make the Harry Potter Invisibility Cloak"+


Dr. Ghose-Hajra "What Does a Civil Engineer Do?" *+ #
"Historic Civil Engineering Structures in Louisiana" *+#

Dr. Goloverda "Nanomaterials: Fun and Use?"+

Dr. Joshi "Corrosion Fatigue and Fracture of Aircraft Materials"+ 

Dr. Mainardi "Exploring the forms of carbon with molecular modeling" *+
"Nanotechnology: Good or bad?"*+

Dr. Mensah "Increasing the Efficiency & Power Generating Capacity of Gas Turbines Using Ceramic Coatings"
"History of Selective Laser Sintering Process and Materials used in Additive Manufacturing"

Dr. Mitchell "From Silly Putty to Superconductors: Careers in Materials Science and Engineering"*+ # 

Dr. Moore "Making Phase Changes Work for Us!" *+#


Dr. Pesika "Sticky materials inspired by gecko lizards"*+#


Dr. Ramachandran "Using Computations to Understand Chemical Reactions"*+#

Dr. Tims "Cyber Discovery – a multidisciplinary approach to training cyber citizens"*+
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Mathematics

Dr. Allison "Music in Motion: Laptops, Mobile Phones, and Making the Future of Making Music" *+#
"The Music of the Spheres: recent connections between Arts and Science" *+# 

Dr. Bagayoko "Careers in Science and Engineering and the English and Mathematics it takes"
"Learning or Teaching Effective Problem-Solving"
"The Versatility and Wonders of Physics" 

Dr. Birkenmeier "Careers in Mathematics and Mathematical Research"*+ (8th grade only)













- Dr. Cao "Let's Measure Trees"+
"Can You Guess How Fast Trees Grow?"
- Dr. Marx "A Gentle Introduction to Statistics"*
"A fun and light introduction to statistics with real world applications"*
- Dr. Yang "Refractory High Entropy Alloy Development: from Computer Design to Real Product"



Science

- Dr. Bagayoko "Careers in Science and Engineering and the English and Mathematics it takes"
"Learning or Teaching Effective Problem-Solving"
"The Versatility and Wonders of Physics"
"Ab-initio, Predictive Calculations of Elect tunic and Related Properties of Materials" 🌟
- Dr. Bishop "The ABC's of DNA"
- Dr. Cao "Let's Measure Trees"+
"Can You Guess How Fast Trees Grow?"
- Dr. Chakravorty "Enzymes and Proteins – What do they do?"+* #
"Clean Energy From a Can of Soda!"+*#
- Dr. Dent "The Once and Future Universe – Our Current Understanding of Cosmology"*+
"The Darkness that Binds Us – the Quest to Understand Dark Matter"*+
- Dr. Dobie "Myths and Memories Surrounding Motion Sickness"
"Preventing Seasickness and Other Forms of Motion Discomfort"*+
- Dr. Ellwood "Our Spectacular National Park Areas and their Geology"*+
"A Global Perspective on Modern Developments in Stratigraphy: Redefining Geologic time"*+
- Dr. Fekih "Electrical Engineering: Past, present, and future"
"Fault tolerant control design: current advances, challenges and opportunities"
"If you think graduate school is expensive think again: Graduate Fellowship Programs"
- Dr. Ferguson "Assisted Reproductive Technologies in Farm Animals and Humans"
"Biotechnology in Animal Production and Human Medicine"
"Stress in Farm Animals"
- Dr. Genov "The Magic of Science or How to Make the Harry Potter Invisibility Cloak"+
- Dr. Gossett "Believe It or Not: Plants Also Suffer From Stress"*+
- Dr. Hollerman "Low and slow cooking: Understanding the physics of barbecue" +*
"What is the role of physics in society?"*+


"Just exactly what does it mean to be physics major?"
"A scientist's view of developing patents and intellectual property"
"Rockets and starships: An overview of astronomy and astrophysics in the early 21st century"*+
"Understanding wintergreen candy: A lifetime of making things glow in the dark"*+

- Dr. Joshi** "Corrosion Fatigue and Fracture of Aircraft Materials"+ 
- Dr. Karunatillake** "Living science fiction on Mars and beyond"*+
"Discoveries unimagined by 2001: A Space Odyssey"*+
"Discovering Mars"*+
"A story of water on Mars from maps of hydrogen and sulfur"*+
- Dr. Khosravi** "Autonomous Humanoid Robot for Security and Mapping"*+ 
- Dr. Kinsland** "Improving Agriculture with advance Technology"*+ 
"The Chicxulub Impact: The Collision That Killed the Dinosaurs"*+
"Think the Land is Flat Around Lafayette? Let's Look with Lasers!" *+
- Dr. LiCata** "HIV/AIDS: Science and World Politics"*+ 
"Entertaining Science: Using Humor and Performance to Communicate Science"*+ 
"LSU in Antarctica: Science, Art, and Exploration"*+ 
"Molecular Mechanisms for Surviving a Nuclear War: Radiation Resistant Organisms"*+ 
"Astrobiology at LSU: Extraterrestrial Life, Living in Space and NASA's Vomit Comet " 
"Science in Plays and Movies: Science Fact and Science Fiction"
- Dr. Mainardi** "Exploring the forms of carbon with molecular modeling" *+
"Nanotechnology: Good or bad?" *+
- Dr. Malkinski** "Micro-origami and nano-origami"+
"Wireless stimulation of mammalian cells" +
- Dr. Marier** "Medical Ethics: Framework and Case Studies"
"Allocation of Resources in Critical Care"
- Dr. Merchant** "The American Alligator: From Marsh to Medicine"*+
"Color Change in Crocodile: Adaptation to environment" 
- Dr. Mitchell** "From Silly Putty to Superconductors: Careers in Materials Science and Engineering"*+ # 
- Dr. Molina** "How Alcohol Intoxication Can Affect How the Body Responds to Injury" (8th grade only; New Orleans area only)
"Girls Can Be Scientists" (New Orleans area only)
- Dr. Ramachandran** "Electrochemistry – The Chemistry of Electricity"*+
- Dr. Richter** "4.6 billion years: a brief history of Earth" +*
"Exploring the Earth's oceans with a drill ship"+*
"The Geology of Louisiana"+*
"What's up with global warming?"*+
- Dr. Seetala** "Material Characterization Using Antimatter Positron Annihilation"
- Dr. Sidorovskaia** "Exploring Oceans with Sound"*+ 
- Dr. Sridhar** "Role of Different Branches of Science in Drug Discovery"*+ # 
- Dr. Stringer** "Unique and Amazing Monumental Earthworks at Poverty Point World Heritage Site"*+
"Ancient Megatoothed Sharks from northeast Louisiana"*+

"Fossils Whales of North Louisiana"*+
"What is a Fish Otolith and How is it Used in Science?"*+

Dr. Tarr "How Sunlight Affects Oil Spills"


Dr. Weaver "From crude oil to computer cases: How chemistry creates the things we use every day." #
"Chemistry of Paint: Why is blue paint blue? And why does it dry?" #



Dr. Weiss "New Technologies for 21st Century Engineering Challenges"*+ 

Dr. Wilson "Grand Challenge Scholar Program: Student nanotechnology research opportunities to get a great admission offer from Universities"



Dr. Yu "Is a career in dentistry for me?"



Technology & Computers

Dr. Allison "Music in Motion: Laptops, Mobile Phones, and Making the Future of Making Music" *+#
"The Music of the Spheres: recent connections between Art and Science" 

Dr. Berdahl "Microsampling and Mash-Ups" 
"Making Music with Solar-Powered Electronics" 

Dr. Bishop "Supercomputing: Anytime, Anyplace"

Dr. Chakravorty "Using Computers to Cure Diseases"+* #
"Enzymes and Proteins – What do they do?"# 
"Clean Energy From a Can of Soda!"# 



Dr. Dai "Mathematical modeling and computation for obtaining temperature distribution in nanoscale heat conduction" 
"Numerical simulation for particle moving and soliton traveling in quantum mechanics" 

Dr. Derosa "Using Computers to Clean Nuclear Wastes: Designing Molecules for Nuclear Waste"+

Dr. Dua "Adventures in Computer Science: Above and Beyond Game Programming and App Development"
"From Biology to Bioinformatics: The story of how Computer Science is changing the face of Biological Discovery"
"From Video-gaming to Designing drugs: Pursuing a career in Computer Science and preparing for the next revolution"
"Have you Done your Computing Today? The Triumph of Computing as a Skill"
"Student Interdisciplinary Computing Research: Motivation and Opportunities"
"Students who listen to hard rock and play soccer excel in Math but perform poorly in Chemistry: Discovering surprising Associative Rules and more using Data Mining"
"The Advent of Facebook: A Boon or a Threat?"
"The Pursuit of Scientific Research: The need and implications"
"What more can your data do for you? Discovering Gold from your data using Data Mining"




Dr. Ghose-Hajra "Reduce, Reuse, and Recycle towards a Sustainable Future"*+
"Restoring Coastal Louisiana – Benefits and Challenges"

Dr. Karunatillake "Counting planetary sand grains with computer vision"*+

Dr. Khosravi "Autonomous Humanoid Robotic for Security and Mapping"*+ 
"Improving Agriculture with Advance Technology"*+ 

- Dr. Mhire "Cyber-Space, Cyber-Technology and Cyber-Citizenship: Old Issues Meet New Technology in the 21st Century"*+
 "Do I Really Know What I Think I Know? Thinking Critically About Issues in Cyber-Space"*+
- Dr. Moreno "Opportunities in Computational Materials Science"*+
- Dr. Ramachandran "Using Computations to Understand Chemical Reactions"*+
- Dr. Selmic "Flying Sensors"*+
- Dr. Tims "Cyber Discovery – a multidisciplinary approach to training cyber citizens"*+
- Dr. Yang "Refractory High Entropy Alloy Development: from Computer Design to Real Product"

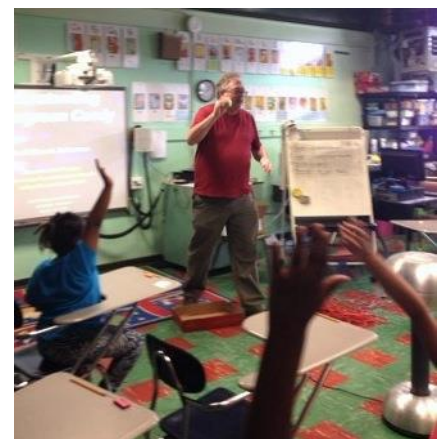
Engineering

- Dr. Fekih "Electrical Engineering: Past, present and future"
 "Fault tolerant control design: current advances, challenges and opportunities"
- Dr. Ghose-Hajra "What Does a Civil Engineer Do?"
 "Historic Civil Engineering Structures in Louisiana"
- Dr. Goloverda "Nanomaterials: Fun and Use"+
- Dr. Hollerman "Low and slow cooking: Understanding the physics of barbecue" +*
 "What is the role of physics in society?"*+
 "Just exactly what does it mean to be physics major?"
 "A scientist's view of developing patents and intellectual property"
 "Rockets and starships: An overview of astronomy and astrophysics in the early 21st century"*+
 "Understanding wintergreen candy: A lifetime of making things glow in the dark"*+
- Dr. Ibekwe "Emerging Engineering Materials for Space Application"
 "Revolutionizing Technology through Smart Materials"
 "3-D Printing – The future of manufacturing"
 "Sustainable Method of Removing Fluoride from Contaminated Borehole Water"
- Dr. Joshi "Corrosion Fatigue and Fracture of Aircraft Materials"*+ 
- Dr. Kolesnichenko "Nanotechnology: its origins and benefits for our life"
- Dr. Lawrence "Polymers and DNA: Discovering the World of Biomaterials" *+
- Dr. Li "Biomimetic Self-Healing Composite Materials"
- Dr. Lvov "Nanotechnology based on natural materials: from biomimetic for cyborg cells to fly ash concrete!"

- Dr. Mainardi "Exploring the forms of carbon with molecular modeling"*+
- Dr. Meng "Making things small"*+ #
- Dr. Mensah "Increasing the Efficiency & Power Generating Capacity of Gas Turbines Using Ceramic Coatings"
 "History of Selective Laser Sintering Process and Materials used in Additive Manufacturing"
- Dr. Mitchell "From Silly Putty to Superconductors: Careers in Materials Science and Engineering"*+ # 
- Dr. Moore "Making Phase Changes Work for Us!"*+ #

- Dr. Nikitopoulos "Small Things Make a Big Contributions to Medicine"*+
 Dr. Pesika "Sticky materials inspired by gecko lizards"*+ #
 Dr. Plummer "Materials for the 21st Century: A Revolutionary – Not an Evolutionary Approach"*
 Dr. Tims "A Vehicle to Drive the Next Generation"*+
 Dr. Wang "Small Things Make Big Contributions to Medicine"
 Dr. Weiss "New Technologies for 21st Century Engineering Challenges"*+ 🌟
 Dr. Wilson "Grand Challenge Scholar Program: Student nanotechnology research opportunities to get a great admission offer from Universities"
 Dr. Yang "Refractory High Entropy Alloy Development: from Computer Design to Real Product" *+

Mathematics

- Dr. Allison "Music in Motion: Laptops, Mobile Phones, and Making the Future of Making Music" *+#
 "The Music of the Spheres: recent connections between Art and Science" 🌟
 Dr. Bagayoko "Careers in Science and Engineering and the English and Mathematics it takes"
 Dr. Beslin "Pi For Dessert: A Mathematics Sampler"
 Dr. Birkenmeier "Careers in Mathematics and Mathematical Research"*+
 "Applications of Abstract Algebra"*+
 Dr. Cao "Let's Measure Trees"+
 "Can You Guess How Fast Trees Grow?"
 "Applying math in estimating tree height"
 "Tough equations? Solve them easily using numerical methods"
 Dr. Kostrov "Recurrence Sequences"*+
 Dr. Liu "How Could Mathematics Make Marvelous Engineering Possible?"
 Dr. Marx "A Gentle Introduction to Statistics"*
 "A fun and light introduction to statistics with real world applications"*
 Dr. Sidorovskaia "Exploring Oceans with Sound"*+ 🌟



K-12 Parents & Educators

The following topics are appropriate for K-12 parents (*) and educators (+):
For more presentations for this group, look throughout the brochure for the * and +'s.

- Dr. Allison Computation Arts: Integrating the Arts and STEM Creatively"
- Dr. Bagayoko "Promoting Academic Excellence by Design"
"The Ways and Means of academic Excellence for All Passing Standardized Tests" ✨
"Educational Reforms from A to Z" ✨
- Dr. Dent "Gravitational Waves: Echoes from the primordial universe"
- Dr. Diack "Integrating Instructional Multimedia Repository for teaching 21st Century skills"+
"Best Practices for online Course Design and Delivery"+
- Dr. Karunatillake "Effective team covenants at the vanguard of planetary science" ✨
"Replacing team hierarchy with vision, mission, and objectives" ✨
"Preserving productivity in a geographically and temporally distributed workplace" ✨
"Mars research as a case study in communicating effectively across diverse audiences" ✨
- Dr. Marier "End of Life Decision Making: A Summary of Advance Directives"
"Informed Consent: Elements and Scope"
- Dr. Mhire "Cyber-Space, Cyber-Technology and Cyber-Citizenship: Old Issues Meet New Technology in the 21st Century"*+
"Do I Really Know What I Think I Know? Thinking Critically About Issues in Cyber-Space"*+
- Dr. Molina "Alcohol Use By Teenagers: How Prevalent Is It?"*+
- Dr. Plaisance "Sweaty Palms and All – A Discussion of Mathematics Anxiety"+
- Dr. Sidorovskaia "Assessment of environmental impact of industrial operations in the Northern Gulf of Mexico by acoustic methods"*+
- Dr. Sridhar "Protein Kinases and Human Diseases"

A large, irregular purple splash graphic with a gradient from light to dark purple. The text "College Undergraduates & Faculty" is centered within the splash in a white, sans-serif font.

College Undergraduates & Faculty

For more presentations in this group, look for a ‘#’ throughout the brochure.

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dr. Bagayoko | “The Ways and Means for Academic Excellence for All; Passing Standardized Tests” |
| Dr. Beslin | “Pi For Dessert: A Mathematics Sampler” |
| Dr. Butler | “3D+X-ray Imaging of Plastics, Fire, & Feathers: Looking at the data with giant computers and an iPad” |
| Dr. Dent | “Gravitational Waves: Echoes from the primordial universe” |
| Dr. Diack | “Integrating Instructional Multimedia Repository for teaching 21 st Century skills”
“Best Practices for online Course Design and Delivery”
“Current Practices and Strategies for Delivering Science Laboratories Online” |
| Dr. Fekih | “If you think graduate school is expensive think again: Graduate Fellowship Programs” |
| Dr. Kolesnichenko | “Nanotechnology: its origins and benefits for our life” |
| Dr. Marier | “End of Life Decision Making: A Summary of Advance Directives”
“Informed Consent: Elements and Scope” |
| Dr. Plaisance | “Sweaty Palms and All – A Discussion of Mathematics Anxiety” |
| Dr. Seetala | “Material Characterization Using Antimatter Positron Annihilation” |
| Dr. Sidorovskaia | “Assessment of environmental impact of industrial operations in the Northern Gulf of Mexico by acoustic methods”**+ |
| Dr. Sridhar | “Protein Kinases and Human Diseases” |
| Dr. Tarr | “How Sunlight Affects Oil Spills” |

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Speakers

<p>Dr. Jesse Allison <i>Louisiana State University</i> Assistant Professor of Experimental Music & Digital Media</p>	<p>Dr. Diola Bagayoko <i>Southern University – Baton Rouge</i> Distinguished Professor of Physics; Director, the Timbuktu Academy</p>
<p>Dr. Edgar Berdahl <i>Louisiana State University Center for Computation and Technology</i> Assistant Professor</p>	<p>Dr. Scott Beslin <i>Nicholls State University</i> Professor of Mathematics and Department Head of Mathematics and Computer Science</p>
<p>Dr. Gary F. Birkenmeier <i>University of Louisiana at Lafayette</i> Professor</p>	<p>Dr. Thomas Bishop <i>Louisiana Tech University</i> Associate Professor</p>
<p>Dr. Diane A. Blake <i>Tulane University School of Medicine</i> Professor of Biochemistry and Molecular Biology</p>	<p>Dr. Les Butler <i>Louisiana State University</i> Professor</p>
<p>Dr. Quang Cao <i>Louisiana State University – AgCenter</i> Professor of Forestry</p>	<p>Dr. Dhruva Chakravorty <i>University of New Orleans</i> Assistant Professor of Chemistry</p>
<p>Dr. Weizhong Dai <i>Louisiana Tech University</i> McDermott International Professor of Mathematics</p>	<p>Dr. James Dent <i>University of Louisiana at Lafayette</i> Assistant Professor</p>
<p>Dr. Pedro Derosa <i>Louisiana Tech University & Grambling State University</i> Associate Professor</p>	<p>Dr. Moustapha Diack <i>Southern University – Baton Rouge</i> Associate Professor</p>
<p>Dr. Thomas G. Dobie <i>University of New Orleans</i> Director & Head of Human Engineering, Professor</p>	<p>Dr. Sumeet Dua <i>Louisiana Tech University</i> Associate Dean, Graduate Studies; Director, Center for Secure Cyberspace & Upchurch Endowed Professor of Computer Science and Cyber Engineering</p>
<p>Dr. Brooks B. Ellwood <i>Louisiana State University</i> Professor</p>	<p>Dr. Afef Fekih <i>University of Louisiana at Lafayette</i> Associate Professor</p>
<p>Dr. C. Edward Ferguson <i>McNeese State University</i> Assistant Professor, Department of Agriculture</p>	<p>Dr. Dentcho Genov <i>Louisiana Tech University</i> J.J. Cordaro and Entergy Professor of Physics and Electrical Engineering</p>
<p>Dr. Malay Ghose-Hajra <i>University of New Orleans</i> Assistant Professor and Graduate Coordinator</p>	<p>Dr. Galina Z. Goloverda <i>Xavier University of Louisiana</i> Assistant Professor</p>

<p>Dr. Dalton R. Gossett <i>Louisiana State University at Shreveport</i> Professor of Biological Sciences</p>	<p>Dr. William Hollerman <i>University of Louisiana at Lafayette</i> Associate Professor of Physics and Graduate Coordinator</p>
<p>Dr. Samuel Ibekwe <i>Southern University – Baton Rouge</i> Professor</p>	<p>Dr. Ghanashyam Joshi <i>Southern University – Baton Rouge</i> Professor</p>
<p>Dr. Suniti Karunatillake <i>Louisiana State University</i> Planetary Scientist and Assistant Professor</p>	<p>Dr. Ebrahim Khosravi <i>Southern University – Baton Rouge</i> Professor and Chair, Computer Sciences</p>
<p>Dr. Gary L. Kinsland <i>University of Louisiana at Lafayette</i> Pioneer Production Endowed Professor of Geology</p>	<p>Dr. Vladimir Kolesnichenko <i>Xavier University</i> Assistant Professor</p>
<p>Dr. Yevgeniy Kostrov <i>Xavier University</i> Assistant Professor</p>	<p>Dr. Candace Lawrence <i>Xavier University of Louisiana</i> Assistant Professor</p>
<p>Dr. Guoqiang Li <i>Louisiana State University</i> Professor holding John W. Rhea, Jr. Professorship in Engineering</p>	<p>Dr. Vince LiCata <i>Louisiana State University</i> Associate Professor</p>
<p>Dr. Don Liu <i>Louisiana Tech University</i> Contract's Trust Endowed Associate Professor</p>	<p>Dr. Yuri Lvov <i>Louisiana Tech University</i> Professor</p>
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<p>Dr. Joanne Cain Marier <i>LSU Health Sciences Center at New Orleans</i> Director Program in Health Law and Medical Ethics Associate Professor LSU School of Medicine</p>	<p>Dr. Brian Marx <i>Louisiana State University</i> Professor, Department of Experimental Statistics</p>
<p>Dr. Daniel McCarthy <i>Southeastern Louisiana University</i> Chemistry and Physics Department Head & Associate Professor of Physics/Department Head</p>	<p>Dr. Wen Jin Meng <i>Louisiana State University</i> Professor</p>
<p>Dr. Patrick Mensah <i>Southern University – Baton Rouge</i> Professor</p>	<p>Dr. Mark Merchant <i>McNeese State University</i> Assistant Professor of Biochemistry</p>
<p>Dr. Jeremy Mhire <i>Louisiana Tech University</i> Assistant Professor of Social Sciences</p>	<p>Dr. Brian Mitchell <i>Tulane University</i> Professor</p>
<p>Dr. Patricia E. Molina <i>Louisiana State University Health Sciences Center at New Orleans</i> Professor and Department Head of Physiology</p>	<p>Dr. Arden Moore <i>Louisiana Tech University</i> Assistant Professor, Mechanical Engineering</p>
<p>Dr. Juana Moreno <i>Louisiana State University</i> Associate Professor of Physics and Astronomy</p>	<p>Dr. Dimitris Nikitopoulos <i>Louisiana State University</i> Professor of Mechanical Engineering</p>

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<p>Dr. Heath Tims <i>Louisiana Tech University</i> Assistant Professor</p>	<p>Dr. Wanjun Wang <i>Louisiana State University</i> Associate Professor</p>
<p>Dr. Sarah Weaver <i>Xavier University</i> Assistant Professor of Chemistry</p>	<p>Dr. Leland Weiss <i>Louisiana Tech University</i> Associate Professor</p>
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