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) 342-4253.

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" *+#

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!" NEW
"Computers and Tablets – More than just for social networking!"+*# (2nd – 5th)
"Proteins, Enzymes and Other Mysteries of the World"+* #(2nd – 5th)
"Whodunit?" NEW

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" +* NEW
"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. 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" *+ NEW
"Nanotechnology: Good or bad?"*+ NEW

Dr. Molina
"Girls Can Be Scientists" (New Orleans area only) #

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

Dr. Schiebout
"Why Dinosaurs Didn't Live in Louisiana, but Giant Camels did?"

Dr. Sidorovskaia
"Whale stories from the Gulf of Mexico"*+ NEW

Dr. Stringer

"Amazing Rocks and Minerals" *+ (4th and up)
"Unique and Amazing Monumental Earthworks at Poverty Point World Heritage Site"*+ NEW (4th and up)
"Ancient Megatoothed Sharks from northeast Louisiana"*+ NEW (4th and up)
"T. rex: From Top to Bottom" (1st through 5th) NEW
"Fossils Whales of North Louisiana"*+ NEW (3rd and up)

Dr. Yang

"Refractory High Entropy Alloy Development: from Computer Design to Real Product"*+ # NEW

Science

Dr. Bagayoko

"Learning or Teaching Effective Problem-Solving" #
"The Versatility and Wonders of Physics" #

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!" NEW
"Proteins, Enzymes and Other Mysteries of the World"+* #
"Whodunit" NEW

Dr. Christian

"Eat Your Colors: Anti-inflammatory and Antioxidant Activity from Fruits" #
"Fungi Gone Crazy" #
"Natural Products Chemistry: Exploring Nature's Medicine Chest" #
"Exploring the Chemistry of Native Louisiana Plants" #

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"+ # NEW

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. Hall

"Drinking Like a Fish: Water Quality in Aquaculture and the Environment"*+
"Faith and Reason: Historical and Current Relations between Science and Religion"*+#
"Thinking Like a Fish: Engineering in Aquaculture"*+

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. 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. Kinsland
"The Chicxulub Impact: The Collision That Killed the Dinosaurs"*+

Dr. Lawrence
"Polymers and DNA: Discovering the World of Biomaterials" *+

Dr. McCarthy
"Fusion Energy: Creating a Star on Earth"*+

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

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. Schiebout
"Why Dinosaurs Didn't Live in Louisiana. But Giant Camels did?"

Dr. Sidorovskaia
"Whale stories from the Gulf of Mexico"*+ NEW

Dr. Sridhar
"Role of Chemistry in Drug Discovery"

Dr. Stringer
"Amazing Rocks and Minerals" *+
"Unique and Amazing Monumental Earthworks at Poverty Point World Heritage Site"*+ NEW
"Ancient Megatoothed Sharks from northeast Louisiana"*+ NEW
"Fossils Whales of North Louisiana"*+ NEW
"What is a Fish Otolith and How is it Used in Science?"*+ NEW

Technology & Computers

Dr. Allison
"Music in Motion: Laptops, Mobile Phones, and Making the Future of Making Music" *+#
"Science meets Art: New Frontiers in Music Technology" *+# NEW

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"
"Bioinformatics + Computational Biology = Chromatin Folding in 1, 2, 3 and 6 Dimensions"

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. Hall	"Scarebots: Autonomous Vehicles Help Farmers and the Environment"*+
Dr. Karunatillake	"Counting planetary sand grains with computer vision"*+
Dr. Mainardi	"Exploring the forms of carbon with molecular modeling"*+ NEW
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" # NEW

Engineering

Dr. Genov	"The Magic of Science or How to Make the Harry Potter Invisibility Cloak"+ NEW
Dr. Ghose-Hajra	"What Does a Civil Engineer Do?" *+ # "Historic Civil Engineering Structures in Louisiana" *+#
Dr. Goloverda	"Nanomaterials: Fun and Use?"+
Dr. Mainardi	"Exploring the forms of carbon with molecular modeling" *+ NEW "Nanotechnology: Good or bad?"*+ NEW
Dr. Mensah	"Increasing the Efficiency & Power Generating Capacity of Gas Turbines Using Ceramic Coatings" NEW "History of Selective Laser Sintering Process and Materials used in Additive Manufacturing" NEW
Dr. Moore	"Making Phase Changes Work for Us!" *+# NEW
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"*+ "A Vehicle to Drive the Next Generation"
Dr. Yang	"Refractory High Entropy Alloy Development: from Computer Design to Real Product"*+ NEW

Mathematics

Dr. Allison	"Music in Motion: Laptops, Mobile Phones, and Making the Future of Making Music" *+# "Science meets Art: New Frontiers in Music Technology" *+# NEW

Dr. Bagayoko	"Careers in Science and Engineering and the English and Mathematics it takes" "Learning or Teaching Effective Problem-Solving"
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" NEW

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. 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. Christian	"Eat Your Colors" Anti-inflammatory and Antioxidant activity from Fruits" "Fungi Gone Crazy" "Natural Products Chemistry "Exploring Nature's Medicine Chest" "Exploring the Chemistry of Native Louisiana Plants"
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" NEW "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"+ NEW
Dr. Gossett	"Believe It or Not: Plants Also Suffer From Stress"*+
Dr. Hall	"Drinking Like a Fish: Water Quality in Aquaculture and the Environment"*+ "Faith and Reason: Historical and Current Relations between Science and Religion"*+ "Thinking Like a Fish: Engineering in Aquaculture"*+
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	"Use of autonomous Humanoid Robot for Security and Mapping"*+ NEW "Use of Technology to Improve Agriculture"*+ NEW
Dr. Kinsland	"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, Politics, and Artistic Responses"*+ "Toward Living in Space: Biology Experiments on board NASA's Vomit Comet"*+ "The Polymerase Chain Reaction (PCR): a multi-billion dollar biological reaction"*+ "Funny Science: Using Humor to Convey Information about the Process of Science"*+ "Astrobiology at LSU: IS there Extraterrestrial Life in the Universe?" "Science in Plays and Movies: Science Fact versus Science Fiction"
Dr. Mainardi	"Exploring the forms of carbon with molecular modeling" *+ NEW "Nanotechnology: Good or bad?" *+ NEW
Dr. Malkinski	"Micro-origami and nano-origami"+ NEW "Wireless stimulation of mammalian cells" + NEW
Dr. Marier	"Medical Ethics: Framework and Case Studies" "Allocation of Resources in Critical Care"
Dr. Mendez	"Advances in the field of Dentistry and Prosthodontics"*+ "Prosthodontic solutions to complex cases"*+
Dr. Merchant	"The American Alligator: From Marsh to Medicine"*+
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. Rick	"Water in Protein Interiors" "The Exotic Behavior of Ordinary Ice"

Dr. Schiebout	"Why Dinosaurs Didn't Live in Louisiana but Giant Camels did?"
Dr. Seetala	"Material Characterization Using Antimatter Positron Annihilation" NEW
Dr. Sidorovskaia	"Acoustic Stories from the Ocean"*+ NEW
Dr. Stringer	"Amazing Rocks and Minerals" *+ "Unique and Amazing Monumental Earthworks at Poverty Point World Heritage Site"*+ NEW "Ancient Megatoothed Sharks from northeast Louisiana"*+ NEW "Fossils Whales of North Louisiana"*+ NEW "What is a Fish Otolith and How is it Used in Science?"*+ NEW
Dr. Tarr	"How Sunlight Affects Oil Spills" NEW
Dr. Weaver	"From crude oil to computer cases: How chemistry creates the things we use every day." # NEW "Chemistry of Paint: Why is blue paint blue? And why does it dry?" # NEW
Dr. Wilson	"Grand Challenge Scholar Program: Student nanotechnology research opportunities to get a great admission offer from Universities" NEW
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" *+# "Science meets Art: New Frontiers in Music Technology" NEW "STEAM: Integrating the Arts with STEM through Computational Arts" NEW
Dr. Berdahl	"How to Program Computers to Synthesize Musical Sound" "Maker Faires, 3D Printing, and Prototyping New Digital Musical Instruments"
Dr. Bishop	"Supercomputing: Anytime, Anyplace"
Dr. Chakravorty	"Using Computers to Cure Diseases"+* # NEW
Dr. Dai	"Simulation of Hydrogen Absorption/Desorption in Metal-H_2 Reactors for Hydrogen Storage" "Simulation of Particle Motion Using the Generalized Finite-Difference Time-Domain Method"
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. Hall	"Scarebots: Autonomous Vehicles Help Farmers and the Environment"*+
Dr. Karunatillake	"Counting planetary sand grains with computer vision"*+
Dr. Khosravi	"Use of autonomous Humanoid Robot for Security and Mapping"*+ NEW "Use of Technology to Improve Agriculture"*+ NEW
Dr. LiCata	"Science Blogging: the Good, the Bad, and How to Start Your Own"
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" NEW

Engineering

Dr. Dua	"ABET and the Role of Students during Accreditation Process"*+
Dr. Fekih	"Electrical Engineering: Past, present and future" "Fault tolerant control design: current advances, challenges and opportunities" NEW
Dr. Ghose-Hajra	"What Does a Civil Engineer Do?" "Historic Civil Engineering Structures in Louisiana"
Dr. Goloverda	"Nanomaterials: Fun and Use"+
Dr. Ibekwe	"Emerging Engineering Materials for Space Application" NEW "Revolutionizing Technology through Smart Materials" NEW "3-D Printing – The future of manufacturing" NEW "Sustainable Method of Removing Fluoride from Contaminated Borehole Water" NEW
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 objects: biomimetic for cyborg microorganisms and smart bone implants"
Dr. Mainardi	"Exploring the forms of carbon with molecular modeling"*+ NEW
Dr. Meng	"Making things small"*+ # NEW
Dr. Mensah	"Increasing the Efficiency & Power Generating Capacity of Gas Turbines Using Ceramic Coatings" NEW "History of Selective Laser Sintering Process and Materials used in Additive Manufacturing" NEW

Dr. Moore	"Making Phase Changes Work for Us!"*+# NEW
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. Wilson	"Grand Challenge Scholar Program: Student nanotechnology research opportunities to get a great admission offer from Universities" NEW
Dr. Yang	"Refractory High Entropy Alloy Development: from Computer Design to Real Product" *+ NEW

Mathematics

Dr. Allison	"Music in Motion: Laptops, Mobile Phones, and Making the Future of Making Music" *+# "Science meets Art: New Frontiers in Music Technology" NEW "STEAM: Integrating the Arts with STEM through Computational Arts" NEW
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?" NEW
Dr. Marx	"A Gentle Introduction to Statistics"* "A fun and light introduction to statistics with real world applications"*
Dr. Sidorovskaia	"Acoustic Stories from the Ocean"*+ NEW

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. Bagayoko	"Promoting Academic Excellence by Design"
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. Liu	"What is Computational Mathematics and How Is It Changing the World?" NEW
Dr. Marier	"End of Life Decision Making: A Summary of Advance Directives" "Informed Consent: Elements and Scope" "Human Research: Advancing Knowledge While Protecting Human Subjects"
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"*+ NEW
Dr. Sridhar	"Protein Kinases and Human Diseases"

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

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 21st Century skills" "Best Practices for online Course Design and Delivery"
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. Don Liu	"What is Computational Mathematics and How Is It Changing the World?" NEW
Dr. Marier	"End of Life Decision Making: A Summary of Advance Directives" "Informed Consent: Elements and Scope" "Human Research: Advancing Knowledge While Protecting Human Subjects"
Dr. Plaisance	"Sweaty Palms and All – A Discussion of Mathematics Anxiety"
Dr. Seetala	"Material Characterization Using Antimatter Positron Annihilation" NEW
Dr. Sidorovskaia	"Assessment of environmental impact of industrial operations in the Northern Gulf of Mexico by acoustic methods"*+ NEW
Dr. Sridhar	"Protein Kinases and Human Diseases"
Dr. Tarr	"How Sunlight Affects Oil Spills"

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Speakers

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

Dr. Galina Z. Goloverda *Xavier University of Louisiana* Assistant Professor	**Dr. Dalton R. Gossett** *Louisiana State University at Shreveport* Professor of Biological Sciences
Dr. Steven G. Hall *Louisiana State University Agricultural Center* Assistant Professor and Graduate Chair	**Dr. William Hollerman** *University of Louisiana at Lafayette* Associate Professor of Physics and Graduate Coordinator
Dr. Samuel Ibekwe *Southern University – Baton Rouge* Professor	**Dr. Suniti Karunatillake** *Louisiana State University* Planetary Scientist and Assistant Professor
Dr. Ebrahim Khosravi *Southern University – Baton Rouge* Professor and Chair, Computer Sciences	**Dr. Gary L. Kinsland** *University of Louisiana at Lafayette* Pioneer Production Endowed Professor of Geology
Dr. Vladimir Kolesnichenko *Xavier University* Assistant Professor	**Dr. Yevgeniy Kostrov** *Xavier University* Assistant Professor
Dr. Candace Lawrence *Xavier University of Louisiana* Assistant Professor	**Dr. Guoqiang Li** *Louisiana State University* Professor holding John W. Rhea, Jr. Professorship in Engineering
Dr. Vince LiCata *Louisiana State University* Associate Professor	**Dr. Don Liu** *Louisiana Tech University* Contract's Trust Endowed Associate Professor
Dr. Yuri Lvov *Louisiana Tech University* Professor	**Dr. Daniela Mainardi** *Louisiana Tech University* Program Chair of Chemical Engineering and Thomas C. & Nelda M. Jeffery Professor
Dr. Leszek Malkinski *University of New Orleans* Associate Professor of Physics and Material Science	**Dr. Joanne Cain Marier** *LSU Health Sciences Center at New Orleans* Director Program in Health Law and Medical Ethics Associate Professor LSU School of Medicine
Dr. Brian Marx *Louisiana State University* Professor, Department of Experimental Statistics	**Dr. Daniel McCarthy** *Southeastern Louisiana University* Chemistry and Physics Department Head & Associate Professor of Physics/Department Head
Dr. Arturo J. Mendez, D.D.S., M.Sc. *Louisiana State University Health Sciences Center* Professor & Head of the Department of Prosthodontics	**Dr. Wen Jin Meng** *Louisiana State University* Professor
Dr. Patrick Mensah *Southern University – Baton Rouge* Professor	**Dr. Mark Merchant** *McNeese State University* Assistant Professor of Biochemistry
Dr. Jeremy Mhire *Louisiana Tech University* Assistant Professor of Social Sciences	**Dr. Patricia E. Molina** *Louisiana State University Health Sciences Center at New Orleans* Professor and Department Head of Physiology
Dr. Arden Moore *Louisiana Tech University* Assistant Professor, Mechanical Engineering	**Dr. Juana Moreno** *Louisiana State University* Associate Professor of Physics and Astronomy

Dr. Dimitris Nikitopoulos *Louisiana State University* Professor of Mechanical Engineering	**Dr. Noshir Pesika** *Tulane University* Assistant Professor
Dr. DesLey V. Plaisance *Nicholls State University* Associate Professor of Mathematics & Director of University Graduate Studies	**Dr. Ward Plummer** *Louisiana State University* Professor
Dr. B. Ramu Ramachandran *Louisiana Tech University* Professor	**Dr. Carl Richter** *University of Louisiana at Lafayette* Robert C. Pettit Endowed Professor of Geology
Dr. Steven Rick *University of New Orleans* Professor of Chemistry	**Dr. Naidu Seetala** *Grambling State University* Edward Bouchet Endowed Professor in Physics
Dr. Judith Schiebout *Louisiana State University* Associate Curator, LSU Museum of Natural Science, Adjunct Associate Professor of Geology	**Dr. Rastko Selmic** *Louisiana Tech University* Associate Professor of Electrical Engineering
Dr. Natalia Sidorovskaia *University of Louisiana at Lafayette* Professor, Coca-Cola/BORSF Endowed Professor of Physics and Chairperson	**Dr. Jayalakshmi Sridhar** *Xavier University* Assistant Professor
Dr. Gary Stringer *University of Louisiana at Monroe* Professor Emeritus of Geology and Curator	**Dr. Matthew Tarr** *University of New Orleans* Chair, Department of Chemistry
Dr. Heath Tims *Louisiana Tech University* Assistant Professor	**Dr. Wanjun Wang** *Louisiana State University* Associate Professor
Dr. Sarah Weaver *Xavier University* Assistant Professor of Chemistry	**Dr. Chester Wilson** *Louisiana Tech University* Associate Professor
Dr. Shizhong Yang *Southern University – Baton Rouge* Assistant Professor	**Dr. Alika Yu** *Louisiana State University School of Dentistry* Assistant Professor

2015 Speaking of Science

Presentation Request Form

Requesting Organization/Group: _____

Contact: _____ **Email:** _____

Physical Address: _____

Telephone: _____ **Fax:** _____

Type of Meeting: _____ **Anticipated Audience (#):**_____

Target Audience:

_____ **K-12 Students: Grade(s)** _____ **Discipline**: _____ __

_____ **Teachers/Faculty: Grade/subject taught** _____

_____ **General Public**

_____ **Other: Explain:** _____

Dates/Times Speaker Requested (please provide several available dates):

_____

_____

_____

Speaker Choice or Topic Requested (please use a separate request form for additional requests):

First Choice: _____ _____

Second Choice: _____

Location of Presentation (if different from address above):

_____

_____

Please return this form to : Attn: SoS Program, (225)342-3371 (fax) or P.O. Box 3677, Baton Rouge, LA 7021-3677 (mail) or email it to susan.jernigan@la.gov. For questions about SoS, please call (225) 342-4253.