

Speaking of Science
for College and General Audiences

CS: College Students
CF: College Faculty
GP: General Public

**Dr. Diola Bagayoko, Southern University System Distinguished Professor of Physics
Southern University and A&M College**

“Ab-initio, Predictive Calculations of Electronic and Related Properties of Materials” (CF)
“Careers in Science and Engineering And the English and Mathematics it Takes” (CS, GP)
“Educational Reforms from A to Z” (CF)
“Learning or Teaching Effective Problem Solving” (CS, CF)
“The Versatility and Wonders of Physics” (CS, CF)
“The Ways and Means for Academic Excellence for All: Passing Standardized Tests” (CS, CF)

**Dr. Gary F. Birkenmeier, Professor of Mathematics
University of Louisiana at Lafayette**

“Careers in Mathematics and Mathematical Research” (GP, CS, CF)
“Applications of Abstract Algebra” (CF, CS, GP)

**Dr. Richard Bobbin, Professor and Director of Kresge Hearing Research Laboratory
Louisiana State University Health Sciences Center at New Orleans**

“Noise Induced Hearing Loss: Minding Your Hearing” (CS, CF, GP)

**Dr. Ron W. Darbeau, Associate Professor and Head of Chemistry Department
McNeese State University**

“Chemistry, the Environment, and You” (CS, CF, GP)
“Recent Advances in Deamination Chemistry” (CF, CS)

**Dr. Moustapha Diack, Associate Professor
Southern University and A&M College**

“E-Learning and Multimedia Learning Object Technology: A Paradigm Shift in Instructional Development and Delivery” (CF)

**Dr. Thomas G. Dobie, Professor and Head of Human Engineering Department
University of New Orleans**

“Preventing Seasickness and Other Forms of Motion Discomfort” (GP)
“Cognitive- Behavioral Desensitisation of Motion Sickness” (CF)

**Dr. Sumeet Dua, Assistant Professor
Louisiana Tech University**

“What more can your data do for you? Discovering Gold From Your Data Using Data Mining” (CS, CF)
“From Biology and Informatics to Bioinformatics: The Science of Life and How Computer Science Can Help Discover Important Knowledge For It” (CS, CF)
“Students Who Listen to Hard Rock, Play Soccer and Watch Action Movies Tend to Make an ‘A’ Grade in Math Courses but Make a ‘B’ in Chemistry: Discovering Such Associative Rules and More Using Data Mining” (CF, CS)
“Now That You Have Collected Lots of Data, What To Do With It? The Science of Knowledge Discovery in Databases” (CF, CS)

**Dr. Brooks B. Ellwood, Professor
Louisiana State University and A&M College**

“Did Impacts of Extraterrestrial Objects Often Play a Major Role in Past Extinctions of Life on Earth?” (GP, CF, CS)
“The Search for the Grave of the Famous Two Gun Outlaw Wild Bill Longley - Did He Survive His Hanging?” (GP, CS, CF)

Dr. Galina Z. Goloverda, Assistant Professor

Xavier University of Louisiana

“Why Do We Need Nanomaterials?” (CS, CF, GP)

“Targeted Drug Delivery: Advantages and Problems” (CS, CF, GP)

Dr. Dalton R. Gossett, Professor of Biological Sciences

Louisiana State University at Shreveport

“Believe It or Not: Plants Also Suffer from Stress” (CF, CS, GP)

Dr. Steven G. Hall, Assistant Professor

Louisiana State University Agricultural Center

“Scarebots: Autonomous Vehicles Help Farmers and the Environment” (CS, CF, GP)

“Thinking Like a Fish: Engineering in Aquaculture” (CS, CF, GP)

“Drinking Like a Fish: Water Quality in Aquaculture and the Environment” (CF, CS, GP)

Dr. Gary Kinsland, Pioneer Production Endowed Professor of Geology

University of Louisiana at Lafayette

“The Chicxulub Impact - The Collision that Killed the Dinosaurs” (CF, CS, GP)

Dr. Marybeth Lima, Associate Professor

Louisiana State University and A&M College

“To Infinity and Beyond: Everything You Want to Know about Biological Engineering” (GP)

“Using Math and Science to Develop and Design a Community Playground” (CS)

Dr. Antonio M. Lopez, Jr., Professor and the Conrad N. Hilton Endowed Chair in Computer Science

Xavier University of Louisiana

“Career Fields: Programming is Ubiquitous” (CS)

Joanne Cain Marier, Chief Section of Health Law and Medical Ethics

Louisiana State University Health Sciences Center at New Orleans

“Medical Ethics: A Framework and Case Studies” (CS, GP)

“Allocation of Resources in Critical Care” (CS, GP)

“End of life Decision Making: A Summary of Advance Directives” (CS, GP)

“Informed Consent: Elements and Scope” (CS, GP)

“Human Research: Advancing Knowledge While Protecting Human Subjects” (CS, GP)

Dr. John J. Matese, Professor of Physics

University of Louisiana at Lafayette

“Comets and Craters” (GP)

“Looking at the Oort Comet Cloud - Seeing the Galaxy” (CF, CS)

Dr. Daniel McCarthy, Associate Professor of Physics

Southeastern Louisiana University

“Fusion Energy - Creating a Star on Earth” (CS, CF, GP)

Dr. Mark Merchant, Assistant Professor of Biochemistry

McNeese State University

“Disease Resistance and Wound Healing in the American Alligator” (GP)

“Antimicrobial Properties and Complement Activity in the Serum of the American Alligator” (CF, CS)

Dr. Brian S. Mitchell, Professor

Tulane University

“From Silly Putty to Superconductors: Careers in Materials Science and Engineering” (CS, GP)

Dr. Neeti Parashar, Assistant Professor of Physics

Louisiana Tech University

“Why is Science Important to Society?” (CF, CS, GP)

“The Unfolding Panorama of Physics - the Basic Science” (CS, GP)

“Research at the World’s Highest Energy Accelerator - the Tevatron at Fermilab in Batavia, Illinois” (CS, CF, GP)
“Discovering the Origin of Mass in our Universe” (CF, CS, GP)

Dr. Steven Rick, Assistant Professor
University of New Orleans

“Water in Protein Interiors” (CS, CF)
“The Exotic Behavior of Ordinary Ice” (CS, CF)

Dr. Nitsa Rosenzweig, Assistant Professor
Xavier University of Louisiana

“Breast Cancer Prevention and Self Exam” (GP, CS, CF)
“Latest Innovations in Breast Cancer Treatment and Detection” (GP, CS, CF)
“Molecular Mechanisms Involved in Breast Cancer” (GP, CS, CF)
“Disparity in Breast Cancer Research and Treatment” (GP, CS, CF)

Dr. Judith A. Schiebout, Associate Curator and Adjunct Associate Professor of Geology and Geophysics
Louisiana State University and A&M College

“Why Dinosaurs Didn’t Live in Louisiana, Although We Have a Single Dinosaur Fossil, but Giant Camels Did: the Parade of Ancient Life in Our State” (GP, CS, CF)

Dr. Leonard Spinu, Assistant Professor
University of New Orleans

“From Chemistry Lab to Computer Hard Disk” (CS)

Dr. Matthew A. Tarr, Associate Professor
University of New Orleans

“Attack of the Free Radicals: Environmental and Biological Reactions of Hydroxyl Radical” (CS)

Dr. Marjan Trurschl, Assistant Professor
Louisiana State University in Shreveport and Louisiana State University Health Sciences Center

“Connecting the Dots” (CS, CF, GP)
“How to Find the Needle in the Haystack?” (CS, CF, GP)

Dr. Laura A. Whitlock, Assistant Professor
Louisiana State University at Shreveport

“The Most Powerful Explosions in the Universe!” (CS)
“A Universe of Mathematics” (CS)
“Black Holes and the Infinite Universe” (CS)
“It’s Physics - No, It’s Toys!” (CS)