

SCUREF Task Orders

Active During the Past Three Years

Clemson University

- 1 Examination of the Electrical Properties of Micro- s and Nano-Scale Properties in Weak Electrostatic Field
Dr. Apparo Rao, Department of Physics and Astronomy
- 2 ARML Imaging Instrument Access
Dr. Laxmikant Saraf, Advanced Material Research Lab
- 3 SRNL-Clemson University Graduate Course in Nuclear Safeguards
Dr. Timothy Devol, Environmental Engineering and Earth Sciences
- 4 Support on Performance and Limitations of Electron Backscatter Diffraction
Dr. Brian Powell, Environmental Engineering and Earth Science
- 5 SRNS SCM Asset Management Operational Involvements
Dr. Scott Mason, Industrial Engineering
- 6 Ceramic Materials Synthesis and Characterization
Dr. Kyle Brinkman, Materials Science and Engineering
- 7 Anion Exchange Membranes Application
Dr. Scott Husson, Chemical and Biomolecular Engineering
- 8 Implement On-line or In-line process Technology for Analysis of Measurement Points
Dr. Kenneth Marcus, Chemistry
- 9 Radiation Detection Research & Development
Dr. Timothy Devol, Environmental Engineering and Earth Sciences
- 10 Tritium Supply Chain Modeling and Analysis
Dr. Scott Mason, Industrial Engineering
- 11 Fabrication and Characterization of Graphene Membranes
Dr. Apparo Rao, Department of Physics and Astronomy
- 12 Advanced Microanalytical Measurements
Dr. Laxmikant Saraf, Advanced Material Research Lab
- 13 Water Isotope Separation Testing

Dr. Stephen E. Creager, Chemistry

- 14 MDOA and TEA Resin Development
Dr. Timothy Devol, Environmental Engineering and Earth Sciences
- 15 Access to Electron Microscope Facility in ARML
Dr. Laxmikant Saraf, Advanced Material Research Lab
- 16 Two-day Workshop focused on Advanced Nuclear Separation
Dr. Lindsay Shuller-Nickles, Environmental Engineering and Earth Sciences
- 17 Synthesize, Characterize and Test Anion Exchange Membranes
Dr. Scott Husson, Chemical and Biomolecular Engineering
- 18 Solid Waste Encapsulation Microscopy
Dr. Laxmikant Saraf, Advanced Material Research Lab
- 19 SRR Technical Support Provided by Clemson University
Dr. Brian Powell, Environmental Engineering and Earth Sciences

Medical University of South Carolina

- 20 Employee Wellness Model Options and Surveillance Feasibility
Dr. Lawrence C. Mohr, Environmental Biosciences

South Carolina State University

- 21 Savannah River Environmental Sciences Field Station
Dr. Stanley Ihekweazu, Interim Dean Science and Technology

University of South Carolina Columbia

- 22 Expert Assistance in the Study of Historical Earthquakes Affecting the SRS
Dr. Pradeep Talwani, Earth and Ocean Sciences
- 23 Support of the SC Seismic Monitoring Network
Dr. Thomas Owens, Earth and Ocean Sciences
- 24 Ceramics Membrane Characterization
Dr. Fanglin Chen, Mechanical Engineering
- 25 SRNL-USC-Columbia; Introductory Course on Nuclear Safeguards
Dr. Travis Knight, Department of Mechanical Engineering

- 26 Acoustic Emission Sensor Systems - ISD Sensor
Network Demonstration
Dr. Paul Ziehl, Civil and Environmental Engineering

- 27 Sunshot Corrosion Numerical Simulation
Dr. Kevin Huang, Mechanical Engineering

- 28 Polymer Development for Pu Anion Exchange Mechanical Array
Dr. Brian Benicewicz, Chemistry, Biochemistry and Nanocenter

- 29 Elucidation of the Fundamental Chemistry for Glycolic-Nitric Acid Flowsheet
Dr. Christopher Williams, Chemical Engineering
- 30 Develop and Implement Introductory Course in Nuclear Safeguards
Dr. Travis Knight, Mechanical Engineering
- 31 Activities with Microparticles
Dr. Christopher Williams, Engineering and Computing

University of South Carolina Aiken

- 32 Research of Surface Enhanced Raman Spectroscopy for Microparticle Detection/Characterization
Dr. Chad L. Leverette, Chemistry and Physics
- 33 Nuclear Non-Proliferation International Safeguards Graduate Fellowship Program
Dr. William Pirkle, Sponsored Research Office