



MADE in SC Call for Podium and Poster Presentations

2022 SC EPSCoR State Conference

**Friday, April 22, 2022
Columbia, SC**

The SC EPSCoR Program invites *Materials Assembly and Design Excellence in South Carolina (MADE in SC)* Faculty, Post-doctoral Fellows, Graduate Students, and Undergraduate Students to submit abstracts for podium presentations and poster presentations at the 2022 SC EPSCoR State Conference. This one-day conference is intended for faculty, researchers, undergraduate and graduate students, post-doctoral fellows, and STEM professionals. Abstracts for MADE in SC podium presentations and poster presentations on any of the topics listed below ***must*** be submitted according to the abstract format. MADE in SC Students ***must*** provide their research mentor contact information.

MADE in SC Topics. Abstracts that address research topics related to the following are encouraged:

- **Modeling and Computation Core (MCC).** The goal of the MCC is to develop multiscale models and computational tools synthesizing theories, methods, and infrastructure to provide optimized solutions for the materials system. Supporting goals are the development of advanced multiscale theoretical foundations, fast algorithms to handle high throughput computations, high resolution/fidelity imaging and visualization, and big data analytics including uncertainty quantification.
- **Research Thrust 1 – Hierarchical Structures with Controlled Optical, Electrochemical, and Magnetic Properties.** The goal of Thrust 1 is to explore the inorganic crystal structure and mesoscale assembly of hybrid inorganic and organic materials to control and tailor their optical and magnetic properties. These designed materials and assemblies will exhibit multi-functional, correlated, collective properties leading to, e.g., materials for enhanced energy transfer for lasing and harvesting applications.
- **Research Thrust 2 – Stimuli-Responsive Polymeric Materials.** The goal of Thrust 2 is design and develop synthesis strategies for polymers able to respond to external cues leading to, e.g., materials for efficient water treatment and self-repairing materials for harsh environments.
- **Research Thrust 3 – Rational Design of Interactive Biomaterials.** The goal of Thrust 3 is to develop a fundamental understanding of the effect of physical and chemical signals on cellular behavior across a range of length scales, leading to the development of interactive biomaterials, e.g., for use in regenerative medicine.

Required Abstract Format

Abstract Guidelines (*Abstracts that do not comply with the following guidelines will be rejected*)

Title (15-word limit)

Author(s) Information – List of authors, titles, and affiliations. Identify the person who will deliver the presentation at the conference by adding an asterisk before the his/her name. Use the following format:

Amy Fowler, Samuel Johnson, and *Sarah Cooper
Research Associate, ABC University, Post-Doctoral Fellow, Prime University, and Professor,
Prime University

By submitting an abstract you acknowledge that all coauthors have been notified and agree to the submission of the abstract.

Presentation Keywords - Provide no more than 5 relevant keywords.

Abstract Length - (1,000-word maximum) Abstracts should describe the work performed including an introduction, methodology, results, conclusions and references. The abstracts selected for presentation at the Conference will be published on the SC EPSCoR website.

Format and Length: Use 1” inch margins, Times New Roman, and font size not smaller than 10 or larger 12.

Biographical Sketches

Provide biographical sketches of all authors in one separate document. Limit each sketch to one paragraph with under 200 words and include the contact information of each author. **Note:** MADE in SC students **must** provide their research mentor’s contact information.

Submission Instructions

- Use the SC EPSCoR Portal at <https://www.scepscor.org/Solicitations/portal/index.php> to submit your abstract.
- Abstracts for MADE in SC Podium Presentations should be submitted to the **2022 MADE in SC Podium Presentation Abstract offer** in the SC EPSCoR Portal.
- Abstracts for MADE in SC Poster Presentations should be submitted to the **2022 MADE in SC Poster Presentation Abstract offer** in the SC EPSCoR Portal.
- If not previously registered in the Portal, please follow the instructions on the main Portal page to register. After submitting the abstract, you will receive a confirmation email. (*Sometimes these emails end up in the junk mailbox, so please check there for messages*)

Deadlines

Friday, March 18, 2022

Deadline for submitting abstracts

Contact Information

Questions should be made to:

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