

## **2025 Best Poster Awards:**

### First place

*Creation of the RbI – SrI<sub>2</sub> phase diagram to facilitate scintillator scale-up*

**Megan A. Gillespie**; Kimberly S. Pestovich; Mariya Zhuravleva; Chuck Melcher; Luis Stand; Edgar van Loef

University of Tennessee Knoxville, USA, and University of Tennessee, USA, and Radiation Monitoring Devices Inc., USA

### Second place

*Prediction of size dependency of strength scatter in ceramics using extreme value statistics for defect distribution*

**Taiyo Maeda**; Toshio Osada; Shingo Ozaki

Busshitsu Zairyo Kenkyu Kiko Kozo Zairyo Kenkyu Kyoten, Research Center for Structural Materials, Japan, and Yokohama Kokuritsu Daigaku, Japan

### Second place

*Building a Composite Cathode for Sulfidic Solid State Na-Ion Batteries via Infiltration Method*

**Leticia Trezecik Silvano**; Tim Schubert; Volker Knoblauch; Pinar Kaya

Hochschule Aalen, Institute for Materials Research - IMFAA, Germany

### Trustee Awards

*Processing of Nb/Ta-Al<sub>2</sub>O<sub>3</sub> composites by FAST/SPS and investigation of 3D-microstructure*

**Gregory Kallien**; Bastian Kraft; Günter Schell; Susanne Wagner

Karlsruher Institut fur Technologie, Applied Materials, Germany

*Processing and Characterization of Carbon Dots - Phyllosilicate Composites*

Mariel A. Escobal; **Gisele Laure Lecomte-Nana**; Jean-Rene Duclere; Claire Peyratout; Rolando T. Candidato Jr

Universite de Limoges, France, and ENSCI, France, and Laboratoire SPCTS, Chemistry, France, and MSU-Iligan Institute of Technology, Physics, France

*Investigating Durability of 8YSZ via Wear and Erosion Testing for Lunar Applications*

**Ashley Tirado Pujols**; Zachary Stein; Christopher Wohl; Valerie L. Wiesner; Seetha Raghavan

Embry-Riddle Aeronautical University and NASA Langley Research Center

*Combined Effects of Displacement Damage and Transmutation on the Thermal Diffusivity of CVD-SiC*

**Keshav Vasudeva**; Angus Wylie; Kevin Woller; Michael P. Short; Sara E. Ferry

Massachusetts Institute of Technology, USA