



The Oak Ridge Chapter of ASM presents:

Trustee (2020-2023)

Dr. Elizabeth Hoffman, FASM

Director of Innovation and University Engagement,
Savannah River National Laboratory (SRNL)

**A View into Savannah River National Laboratory
Materials Science Research**

Thursday, April 21, 2022 (7:00 PM ET)
Virtual Event via Zoom

<https://us02web.zoom.us/j/81175814699?pwd=VVFLdTZZdXFCVnpsakRLZi9vTTRmUT09>
Password: 310637

Abstract: National Laboratories in the United States Department of Energy (DOE) Complex study a variety of critical technical challenges through multi-disciplinary teams that often have materials science and engineering at their investigative research core. A brief introduction to the DOE National Laboratories and research successes at Savannah River National Laboratory will be reviewed. In addition, an overview of current materials science and engineering challenges and applications will be discussed. Examples may include managing an aging infrastructure, detecting challenging materials, improving energy storage systems, refining materials separations, and supporting non-proliferation efforts.

Speaker Bio: Dr. Elizabeth Hoffman is the Director of Innovation and University Engagement at the Savannah River National Laboratory (SRNL), a U.S. Department of Energy multi-program national laboratory specializing in environmental remediation, nuclear materials processing, nuclear detection and materials characterization. Dr. Hoffman is responsible for SRNL's Laboratory Directed Research and Development Program, Postdoctoral Researcher Program, and University Engagement Program. All three innovative programs advance the state of science through collaboration and partnership. In 2006, Dr. Hoffman joined SRNL as a researcher working on degradation of materials in extreme environments. Her research spanned a range of material systems and processes, including metallic whisker growth, nuclear waste corrosion control programs, accelerated aging of elastomeric seals and alternative materials for accident tolerant nuclear fuel applications.

Dr. Hoffman received her Ph.D. and B.S. in materials science and engineering in 2006 and 2002 respectively from Drexel University, Department of Materials Science and Engineering. She has been active in ASM International since graduate school, serving in both the Savannah River and Philadelphia "Liberty Bell" Chapters, as well as several national committees. Dr. Hoffman has been recognized as a Fellow of ASM International, as well as an ASM Silver Medal awardee. In addition to ASM International, Dr. Hoffman is active in the American Ceramics Society (ACerS).

Virtual Meeting Details:

- PC, Mac, Linux, iOS or Android:

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Meeting ID: 811 7581 4699

Passcode: 310637

Date: Thursday, April 21, 2022

Schedule:

6:30pm – virtual meeting opens / social hour
7:00pm – feature presentation

Cost: FREE for all attendees

Virtual Meeting Details:

One tap mobile

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