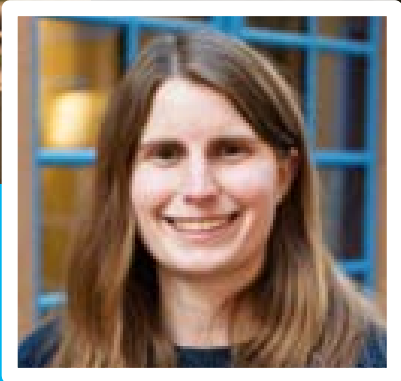


Solar Heat for Industrial Processes (SHIP): Delivering Affordable Heat to American Industries

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Brought to you by the Heliostat Consortium Resource, Training, and Education (RTE) topic area

BIO

Dr. Rebecca Mitchell, ORISE Science and Technology Fellow at the U.S. Department of Energy, works with the Integrated Energy Systems Office and the Industrial Technologies Office to advance industrial decarbonization technologies. She brings extensive experience in concentrating solar power systems, optical metrology, and technology commercialization.

ABSTRACT

Industrial processes across the United States rely heavily on heat, not electricity, to power critical operations such as food production, chemical processing, paper manufacturing, and metal forming. As industries look to reduce costs and improve sustainability, affordable and reliable sources of process heat are increasingly important.

This webinar explores how Solar Heat for Industrial Processes (SHIP) systems can harness abundant U.S. solar resources to deliver low-cost, onsite thermal energy. By integrating with existing systems, SHIP technologies have the potential to support industrial growth, especially in remote areas, while improving energy resilience. We will also discuss current challenges and opportunities in advancing SHIP systems, including reliability, scalability, and commercialization pathways.



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