

Sougata Roy



Bio: Dr. Sougata Roy is an Assistant Professor in the Department of Mechanical Engineering at Iowa State University (ISU). He has received multiple projects funded by federal agencies such as DoD, DOE, NSF, NASA, and different state agencies such as North Dakota EPSCoR, NASA EPSCoR, Soybean Council and State Energy Research Center in the fields of multiscale metal additive manufacturing, advanced materials processing, surface engineering and tribology. Dr. Roy received 'FY 2023 Distinguished Early Career Award' from US Department of Energy, Nuclear Energy University Program and 'Early Career Award (student category)' in 2018 from the Society of Tribologists and Lubrication Engineers (STLE). He served as both co-organizer and lead organizer for 'Surface Engineering' symposium in STLE Annual Meeting (2022-present), 'Additive Manufacturing of Large-scale Metallic Components' and 'Agile Additive Manufacturing by Employing Breakthrough Functionalities' in TMS Annual Meeting (2022-present). Dr. Roy is a member of the 2023-2024 editorial advisory board for Tribology and Lubrication Technology (TLT) Magazine. Prior to joining ISU in August 2023, Dr. Roy was an Assistant Professor in the Department of Mechanical Engineering at the University of North Dakota for three years. Before that, he worked as a Postdoc in Materials Science and Technology Division at Oak Ridge National Laboratory for two years. Dr. Roy received his Ph.D. with a major in Mechanical Engineering and minor in Materials Science and Engineering from Iowa State University in 2018 and worked at Cummins Inc. for a year before joining his doctoral study.

Years Beyond PhD: Five

Research Area: Multiscale metal additive manufacturing, Advanced materials processing, Surface engineering and Tribology

School of Employment: Iowa State University

Educational Background (Field of Degree): Mechanical Engineering