

## WOMEN IN SIMULATION

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### ABSTRACT

Join our distinguished panel of inspiring women from academia, industry and research who will share their unique career journeys. The event will be insightful, educational, and inspirational, as the participants offer their perspectives in leading and pursuing innovation in simulation. This session is focused on building a community of women in WSC by making connections, sharing stories and sage advice, and supporting a new generation of women as they grow their careers in modeling and simulation.

### AUTHOR BIOGRAPHIES

**HAMSA BASTANI**, PhD is an Assistant Professor in Operations, Information, and Decisions at The Wharton School at the University of Pennsylvania. Her research seeks to leverage data-driven techniques to improve quality of care and reduce costs in health care. Recent applications include deploying a targeted COVID-19 testing strategy in Greece, speeding up clinical trials by leveraging surrogate outcomes, designing adaptive algorithms for personalized medicine, and developing transfer learning techniques to learn across hospitals. She focuses on novel methods that cater to the many practical challenges in health care systems, including the high-dimensionality of electronic medical records, the ethical concerns of randomized decision-making on patients, and the unobservable biases that pervade health care claims data. Her email address is hamsab@wharton.upenn.edu.

**RENEE THIESING** is the Vice President of Products at Simio. Renee is responsible for the design, development, support and training of the Simio products. She is also responsible for establishing and managing strategic technology partnerships globally. Renee has been working with Simio for over a decade and has provided consulting services and training to Simio customers in the fields of healthcare, logistics, supply chain, manufacturing, food production and aerospace. Renee has a BS and MS of Industrial Engineering from the University of Michigan and Auburn University. Her email address is rthiesing@simio.com.

**JANE MACFARLANE**, PhD holds a joint appointment at the University of California at Berkeley and Lawrence Berkeley National Laboratory where she is the Director of the Smart Cities and Sustainable Mobility Center. She has over 30 years of experience in high performance computing, data analytics and geospatial mapping. Jane has been responsible for directing industry research groups including: Head of Research for HERE – a leader in geospatial mapping, Vice President of Process Engineering at Imara – a lithium ion battery company, and Director of Advanced Technology Planning for OnStar at General Motors – the first at-scale, telematics solution. Her research focus is on semantic analytics, big data analytics and visualization, contextualization of data streams and spatially distributed computing. Jane holds 8 granted patents and currently has 14 patent applications, primarily in the domain of geospatial data analytics. She holds a Ph.D. in Mechanical Engineering from the University of Minnesota. Her email address is janemacfarlane@berkeley.edu.