

MATHEMATICS & ETHICS - ALGORITHMS, FAIRNESS, AND SOCIAL GOOD

April 8, 2022

PANELISTS



INVITED SPEAKER

Maria De-Arteaga is an Assistant Professor at the Information, Risk and Operations Management Department at the University of Texas at Austin and a core faculty member in the interdepartmental Machine Learning Laboratory and a UT-Good Systems researcher. She received her Ph.D. in Machine Learning and Public Policy from Carnegie Mellon University and B.S. in Mathematics from Universidad Nacional de Colombia. Her research focuses on the risks and opportunities of using machine learning to support experts' decisions in high-stakes settings, with a particular interest in algorithmic fairness and human-AI collaboration. She is currently co-Chair of Diversity & Inclusion for *ACM Conference on Fairness, Accountability, and Transparency* and local arrangements co-Chair for *Workshop on Information Technologies and Systems 2021*. In 2017, she co-founded *Machine Learning For Developing World* and now serves on its Steering Committee. Prior to graduate school, Maria worked as a journalist, and data-driven investigative journalism continues to be one of her passions. She is a distinguished member of *Connectas Hub*, a network of journalists across the Americas.



Sami Alsheikh completed his Bachelor's and Master's in Computer Science at MIT. He has been a software engineer in the San Francisco Bay Area for 4 years, first working at a ten-person startup and then on Meta's Computer Vision team. This academic year, Sami has relocated to Texas State University to teach "Fundamentals of Algorithm Design and Analysis" through the Engineer-in-Residence program sponsored by Meta. In addition to teaching the course, he has mentored several CS students to help them land great jobs at top companies.



Vaughn Baltzly is an assistant professor in the philosophy department at Texas State University. After completing graduate studies in both philosophy and public policy, and before coming to Texas State, he spent more than six years working for the U.S. federal government, splitting that time evenly between the executive and legislative branches. He works mostly in political philosophy and other areas of applied ethics; recently he's also begun to dabble in the philosophy of food."



PANEL MODERATOR

Ted Lehr recently joined the Computer Science Department at Texas State University as a Senior Lecturer. After receiving his Ph.D. in Electrical and Computer Engineering from Carnegie Mellon University, Ted spend over 20 years in a private sector and the last several years working as Data Architect at the Center for Excellence and Innovation with the City of Austin, where he facilitated and participated in several university-industry-city research collaborations. He initiated and led Austin's signing a master research agreement with UT-Austin.