

Short Biography

Nathalie Risso is an Assistant Professor with the Department of Mining and Geological Engineering at the University of Arizona, where she leads the Mine Automation and Autonomous Systems Laboratory. Dr. Risso researches as a strong focus on the development of cyber-physical system-based solutions for mining applications intended to operate in harsh and low connectivity environments, where robustness and autonomous systems collaboration is a design requirement. She has extensive experience as a consultant in the development of automation and autonomous systems solutions for the mining and energy industry sector. Dr. Risso has worked as an assistant professor at Universidad del Bio-Bio, Chile, where she led several R+D industry and government initiatives in the area of machine learning and control systems. Dr. Risso is also a founding member of the Research group in Renewable Energy and Energy efficiency in Chile, which focused on the development of innovative solutions for sustainable energy transition and electromobility. She has also collaborated in the development of Mining and Energy policies in Chile and Guatemala, where stakeholders' participation, such as underrepresented minorities and native communities, was a key aspect. Dr. Risso is an advocate for inclusion and equity, leading several women in STEM groups and initiatives along her career.