ASU Global Security Initiative
Arizona State University

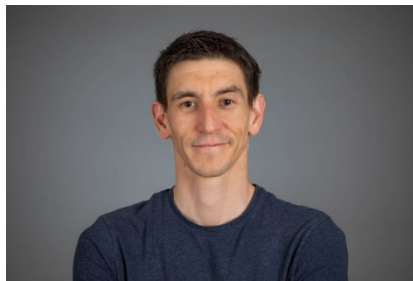**Center for Human, Artificial Intelligence, and Robot Teaming**

Technology teaming with humans for **global security**

CHART Speaker Series
Join us for a presentation by:

Dr. Simon Flandin, senior researcher and lecturer at the Faculty of Psychology and Educational Sciences at the University of Geneva, Switzerland

A Qualitative Research Agenda at the Intersection of Vocational Training and Human Factors

Wed. Aug 28, 2024

12 – 12:45pm AZ Talk
12:45 -1pm AZ Q&A

Register for Zoom Here

In Person: SANCA 130; Polytechnic Campus

Abstract:
This talk will present my research agenda, encompassing key topics, theoretical frameworks, methodologies, and empirical findings. The research addresses safety, security, resilience, simulation training, and learning and development. My approach is comprehensive, qualitative, and use-oriented, with a foundation in phenomenological and semiotic analysis of cognition and practice (Poizat et al., 2023). This approach is grounded in self-organization theories, particularly enactivism, and draws on theoretical constructs such as sensemaking, abductive thinking, negative capability, and perturbation-reorganization (e.g., Gorman et al., 2010). Methodologically, I employ semiotic analysis of data gathered from direct and video observation, as well as self-confrontation interviews designed to help participants reenact meaningful experiences. These studies are conducted in naturalistic settings within at-risk industries, healthcare, victim rescue, and population protection. The findings contribute to advancing simulation training (e.g., Flandin et al., 2022), enhancing crisis management preparedness (Ketelaars et al., 2023), and fostering expertise and resilience development (Ketelaars et al., submitted for publication).

Bio:
Dr. Simon Flandin is a senior researcher and lecturer at the Faculty of Psychology and Educational Sciences at the University of Geneva, Switzerland. He earned his PhD in Educational Sciences, specializing in Vocational Education and Training, from the University of Clermont-Ferrand, France, in 2015. Dr. Flandin currently leads the Resilience-Oriented Training for Safety-Concerned Organizations (ROTSCO) project, funded by the Swiss National Science Foundation's Ambizione grant (PZ00P1_185903). His research focuses on developing professional dispositions that ensure and restore safety, particularly in the context of crisis management. He has a particular interest in the simulation of emergency situations characterized by indeterminacy, high intensity, long duration, and resource scarcity.