## Contact

www.linkedin.com/in/antonello-de-galizia (LinkedIn)


## Top Skills

Bayesian

Safety Analysis

Bayesian networks

## Languages

Italian (Native or Bilingual)

French (Full Professional)

English (Full Professional)

German (Elementary)

## Certifications

Basic Life Support / SST (Salarié sauveteur secouriste du travail)

TOEIC

UL Certified Autonomy Safety Professional - 21448

## Publications

Modelling Non-deterministic Causal Mechanisms involving Resilience in Risk Analysis

Markers and Patterns of Organizational Resilience for Risk Analysis

Advanced Investigation of HRA Methods for Probabilistic Risk Assessment of Human Safety Barriers Efficiency in Complex Systems

# Antonello De Galizia


Systems, Safety and Mission Engineering | Sr. Staff Engineer/Tech Lead @ ARX Robotics

Munich, Bavaria, Germany


## Summary


I am a Senior Staff Engineer at ARX Robotics, where I am responsible for shaping the company's system and safety engineering area. My focus is on establishing a mission-centric system engineering framework to ensure the safety and reliability of ARX's robotic systems from the ground up.

With almost a decade of experience in the development of autonomous vehicles, I have built a strong track record in systems safety across Europe and the U.S.

I have followed a distinctly international path, earning my Ph.D. in Paris on probabilistic risk modeling for complex systems while working as research engineer at Électricité de France (EDF).

In my previous roles at Airbus, Jaguar Land Rover, Argo AI and Cariad I have extensively implemented ISO 26262, ISO 21448; built ODD taxonomies for ODD definitions and scenario modeling to support system requirements elicitation and V&V activities. I have developed a strong expertise in using System Theoretical Process Analysis (STPA) for systems safety analysis.

In my previous role as Staff Safety Engineer and SOTIF Technical Lead at Plus AI, I supported the development of processes and methodologies for embedding SOTIF reasoning into autonomous trucks system design, scenario-based validation, and SOTIF-informed deployment strategies.

I bring a rare combination of global perspective, technical depth, and expertise in developing safe, autonomous systems, which I am now applying to the next generation of robotic technology for land forces (UGV) at ARX Robotics..

## Experience

### ARX Robotics
Senior Staff Engineer, System Safety & Mission Engineering Tech Lead
October 2025 - Present (3 months)
Munich, Bavaria, Germany

### Plus
Staff Engineer, SOTIF Tech Lead
October 2024 - September 2025 (1 year)
Munich, Bavaria, Germany

Led the SOTIF effort across Plus L4 SuperDrive autonomy stack development, ensuring systems safety performance under nominal as well as safety critical conditions within complex operational design domains. Driven the identification of mitigation measures to reduce risks of functional insufficiencies, and developed SOTIF arguments to be integrated into Plus Safety Case to support on-road deployments.

### CARIAD
Senior Systems Safety Engineer
October 2023 - September 2024 (1 year)
Munich, Bavaria, Germany

### Argo AI
Systems Safety Engineer II, Autonomy Safety
July 2021 - October 2023 (2 years 4 months)
Munich, Bavaria, Germany

### Jaguar Land Rover
Pre-Development Functional Safety Engineer, Assisted & Automated Driving
March 2019 - June 2021 (2 years 4 months)
Gaydon, England, United Kingdom

### Airbus Protect
Research Engineer, Autonomous Systems Safety
December 2016 - March 2019 (2 years 4 months)
Paris Area, France

### EDF
Industrial Risks Management | Ph.D. Research Engineer
November 2013 - November 2016 (3 years 1 month)

Paris, Île-de-France, France

CRAN - Research Centre for Automatic Control
Doctoral Researcher
November 2013 - November 2016 (3 years 1 month)
Nancy, Grand Est, France

EDF
Industrial Risks Management | Research Intern
October 2012 - May 2013 (8 months)
Paris, Île-de-France, France

## Education

Research Centre of Automatic Control (CRAN) - Université de Lorraine
Doctor of Philosophy - PhD, Automatic Control, Signals Processing & Computer Science · (2013 - 2016)

Politecnico di Milano
Master's degree, Nuclear Engineering · (2010 - 2013)

Politecnico di Milano
Bachelor's degree, Biomedical Engineering · (2006 - 2010)