

**TC in Resilience Engineering**  
***Updated activities, October 2025***

**Webinar IEA series I – Systemic methods in complex and digitalized manufacturing series**

**Chair: Sylvie Nadeau, Eng., Ph.D.**

1. Webinar: Using STAMP-STPA in a real case of complex manual assembly in aircraft engine manufacturing

Presenter: Yaniel Torres, P.Eng., Ph.D.

Date: 25/01/2025 – Time: 15:00 UTC

Duration: 60 minutes

2. Webinar: FRAM, STAMP, and EAST: case study of a collaborative robot

Presenter: Arie Adriaensen, PhD

Date: 05/02/2025 – Time: 15:00 UTC

Duration: 60 minutes

3. Webinar: FRAM-STPA model: case study of an industry 4.0 plant using a digital glove

Presenter: Alimeh Mofidi Naeini, MBA, Ph.D.

Date: 08/02/2025 – Time: 15:00 UTC

Duration: 60 minutes

4. Webinar: PSO-STPA model: case study of an industry 4.0 plant using smart glasses

Presenter: Ali Karevan, M.Sc., Ph.D. candidate

Date: 15/02/2025 – Time: 15:00 UTC

Duration: 60 minutes

**Webinar IEA series II – Applied Ergonomics on digital technologies and resilience**

**Chair: Tarcisio Abreu Saurin, Ph.D.**

1. Webinar: Using a digital data analytic tool to capture dynamic change in coordination patterns: An exploratory study of the Apollo 13 mission; AI and the transformation of

industrial work: Hybrid intelligence vs double-black box effect; Updating design guidelines for cognitive ergonomics in human-centered collaborative robotics applications: An expert survey; Prospectively identifying risks and controls for advanced brain-computer interfaces: A Networked Hazard Analysis and Risk Management System (Net-HARMS) approach.

Presenter: Lida Z. David, Ph.D.; Mikael Wahlström, Ph.D.; Luca Gualtieri, Ph.D.; Dr. Brandon King

Date: 17/03/2025 – Time: 15:00 UTC

Duration: 75 minutes

### **Webinar IEA series III – Webinar series on Resilience Engineering: Introduction and advanced AI usage**

**Chair: Riccardo Patriarca, Ph.D.**

1. Webinar: Introduction to Resilience Engineering

Presenter: Dr. Mike Rayo, Ph.D.

Date: 24/06/2025 – Time: 11:00 CET

Duration: 90 minutes

2. Webinar: Resilience Engineering (RE) and Artificial Intelligence (AI)

Presenter: Dr. Mike Rayo, Ph.D.

Date: 03/07/2025 – Time: 14:30 CET

Duration: 90 minutes

### **Webinar IEA series IV – Webinar series on Resilience Engineering: updates on the Functional Resonance Analysis Method**

**Chair: Riccardo Patriarca, Ph.D.**

1. Webinar: Navigating the FRAM: the latest book on the Functional Resonance Analysis Method

Presenter: Gesa Praetorius, PhD ; Arie Adriaensen, PhD; Tarcisio Saurin, PhD; Mark Sujan, PhD

Date: 14/10/2025 – Time: 14:00 UTC

Duration: 70 minutes

## **PLANNED ACTIVITIES**

Special session chaired by the TC members, invited to Nordic Ergonomics Society's Annual Meeting 2026 ([NES2026 – Nordic Ergonomics and Human Factors Society](#)) dates: 21-23 October 2026

Special track at the upcoming "FRAMily meeting and workshop" 2026, dates: 15-17 June 2026 (Munich, Germany)

Support to the Summer School "Safety methods" 2026, dates: 10-14 August 2026 (Munich, Germany)

Other webinars currently under discussion.

Collaborative writing exercise about "The roots of Resilience Engineering"