

International Ergonomics Association
Technical Committee on Resilience Engineering
Summary of the activities – second semester of 2022

Chair: Tarcisio A. Saurin, Federal University of Rio Grande do Sul, Brazil

The TC membership increased a bit during the second semester of 2022, from 13 to 15 members. The main activities during this period were as follows:

- (1) Webinar 1: Modeling the structure and dynamics of socio-technical systems through network science

Speaker: Oriol Artime (Bruno Kessler Foundation, Italy)

Moderator: Riccardo Patriarca (Sapienza University of Rome)

Date: 16 September

- (2) Webinar 2: can regulations support resilient performance?

Speakers: Kristine Storkersen (Norwegian University of Science and Technology), and Sina Øyri (University of Stavanger)

Moderator: Tarcisio Abreu Saurin (Federal University of Rio Grande do Sul, Brazil)

Date: 28 October

Both webinars had a reasonable attendance (from 20 to 40 people) and the feedback received from the participants was in general positive. The webinars were co-organized with the Resilience Engineering Association, which also announced them.

- (3) Course on Resilience Engineering and Safety Management in Complex Socio-Technical Systems. As described in the previous TC report, this 45-hour free course occurred in the context of a higher education collaboration between Brazilian and Norwegian universities. The course has been endorsed by IEA, which has also announced it through its mailing list. The course will end on the 9th of December and has counted on 20-40 participants in each lecture. Participants are from several countries such as Australia, Brazil, Botswana, Canada, Finland, and Singapore. The two aforementioned webinars also occurred as part of two lectures of this course. All course materials and recordings are available at the link below. At the end of the course, we will check the possibility of making these recordings and materials available to all IEA community.

<https://drive.google.com/drive/folders/1N2Mz5y8MeSINis6mKHMy-Clq88f8GCyw>

- (4) In October 2022, the TC chair (Tarcisio Saurin) paid a one-week visit to the co-chair (Riccardo Patriarca) at Sapienza University of Rome, Italy. The visit reinforced collaboration between them, involving joint publications and research projects. This is expected to be useful for the TC future activities and expansion.

Porto Alegre, Brazil, the 28th of November, 2022.

