JCSS

Joint Committee
on Structural Safety

Structural Safety
past advancements and future challenges

Workshop dedicated to the 50th anniversary of the JCSS

22.-23. May 2024, Klokner Institute, CTU in Prague, Czech Republic



Invitation

Society expects buildings, bridges and other civil engineering structures to possess an adequate level of safety for the intended service life. However, structural safety is affected by many uncertainties related to material and geometrical properties, system behaviour, load and degradation effects etc. The need to systematically quantify and correctly consider such uncertainties in reliability assessments of structures made of various materials and for various purposes was one of the main reasons for establishing an international research organisation – the Joint Committee on Structural Safety. Over half a century ago, the founding associations included IABSE, CIB, ECCS, fib, IASS, and RILEM.

The workshop organised at the occasion of the 50th anniversary attempts to overview the JCSS achievements and identify and discuss the challenges to be addressed in future. Experts from the founding associations and key JCSS members will present invited contributions focused on the following topics:

- quantification of uncertainties of loads, load effects and structural resistance,
- reliability analysis of new and existing structures made of common and new materials,
- risk assessment, acceptance criteria,
- decision making under uncertainty, climate change and sustainability aspects,
- simplified safety concepts and code calibration.

Format: The workshop will only comprise of invited contributions of experts from JCSS-founding associations and JCSS members. Both in-person and online participation will be supported. The number of in-person participants is limited to 50.

Registration: until 31.01.2024, via email – Miroslav Sykora, miroslav.sykora@cvut.cz.

Preliminary programme (in CEST):

22 May	13h-17h30	welcome, technical presentations
	19h	informal dinner
23 May	9h-13h	technical presentations, summary, closure

Note that the workshop will follow a regular JCSS meeting to be held on 21 May (afternoon) and 22 May (morning).

Technical and organization committee:
Miroslav Sykora, Czech Technical University in Prague, Czech Republic,
Maria Giuseppina Limongelli, Politecnico Milano, Italy,
Michael H. Faber, Aalborg University, Denmark,
Jochen Köhler, Norwegian University of Science and Technology, Trondheim, Norway.

Venue – address and contact person

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Recommended hotels close to the Klokner Institute

1. Vienna House by Wyndham Diplomat Prague (3-minute walk to KI)
2. Hotel DAP Praha (5-minute walk to KI)
3. Hotel Meda (10-minute walk to KI)
4. Hotel Masarykova kolej (5-minute walk to KI)

Numerous hotels in the city centre are easily accessible by metro.