



A symposium on
X-ray & Neutron Tomography and Applications

Organised by

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Under the auspices of

**21st International Conference on
EXPERIMENTAL MECHANICS**

Bologna, Italy

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(<https://icem-21.org>)

Abstracts are solicited from the community in the following and related areas:

- Design and development of X-ray/neutron tomography experiments
- Multi-modal experimental mechanics methodology
- Ex situ & in situ & operando mechanical testing methods
- In situ extreme-temperature mechanical testing and applications
- In situ fatigue corrosion testing and applications
- Multi-scale characterization of mechanical properties
- Characterization of microstructure, internal and external defects
- Image-based high-fidelity numerical modelling and simulation
- Residual stress measurement and effect on service properties
- Time-resolved 3D CT with physics mechanism and applications
- 3D tomography based fracture & fatigue behaviours
- Noise elimination and feature segmentation by machine learning



Abstracts of two full pages should be written in the following format (please download the template that is available in the web-specific section).

A sample abstract is available for download at:

https://icem-21.org/wp-content/uploads/2024/01/ICEM21_Abstract_Template.docx

Paper Size:

A4, single column.

Margins:

Top Page 2.5 cm; Bottom 2.5 cm, Left & Right 2 cm.

Font and line spacing:

Times New Roman; single space.

First line:

It should be left blank, size 12, reserved for the editors.

Title:

Begins at the 2nd line, capital letters, size 12, bold, centered alignment.

Authors Names:

Size 12, bold, italic, centered alignment, two lines interval from the title above.

Authors affiliation:

Size 12, centered alignment, two lines interval from the text below.

Main Text:

Size 12, full justification, 0.5 cm indentation.

Headings:

Size 12, bold, 12 pt. top spacing, 6 pt. bottom spacing.

Legends (Figs & Tables):

Size 12

References:

Full citations should be grouped at the end of the paper and in alphabetical order of first author's name. Please, use size 10 and provide inclusive page numbers for references to journal articles and a page range for books. Each reference must be cited in the text.

which can also be used as a template.

Deadline for Extended Abstracts: 30th November 2024

The conference Proceedings with the extended abstracts and full papers will be submitted for indexation in the Web of Science and made available for free access on the Internet.

For additional information, please contact the Symposium Coordinators:

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