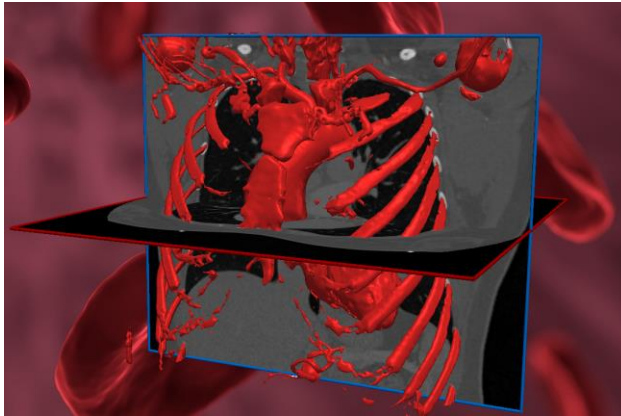


International Conference on Structural Integrity (ICSI2023)
29 August – 1 September, 2023. Funchal, Madeira, Portugal

Fluid-structure interaction and integrity of mechanical and biological structures



The International Symposium on **Fluid-structure interaction and integrity of mechanical and biological structures** will be held in the “5th International Conference of Structural Integrity (ICSI2023)”, which will take place on the beautiful Madeira Island, Funchal, Portugal, on 29 August – 1 September, 2023.

The symposium targets contributions on the state-of-the-art and latest development on the topic of fluid-structure interaction and integrity (FSI&I) in both mechanical and biological structural systems. Authors are encouraged to contribute and share their numerical, theoretical and experimental research in relevant areas of FSI&I. Academic and industrial contributions are welcomed, particularly on the following subjects:

- Fluid-structure interaction of biological systems *in vivo*
- Mechanical performance of biomedical materials *in vivo*
- Structural integrity of 3D-printed biomedical components and structures
- Bio-inspired and biomimetic materials and structures
- Mechanical characterisation and damage of hard and soft biological tissues
- Response of biological tissues and biomedical materials to dynamic loading
- Numerical simulations of properties and performance of biomedical and bio-materials

All contributions, in the form of extended abstracts, will be peer reviewed by the members of ICSI 2023 Scientific Committee.

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