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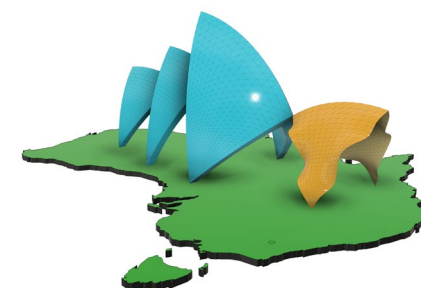
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CONFERENCE WEBSITE

ictws2023.org.au



THIN-WALLED STRUCTURES NINTH INTERNATIONAL CONFERENCE

29 NOVEMBER – 1 DECEMBER 2023 | SYDNEY AUSTRALIA



INTRODUCTION

Thin-walled structures constitute a broad field covering civil, mechanical and aeronautical branches of engineering, numerous materials (e.g., steel, aluminium, fibre-reinforced plastics, functionally graded materials, nanomaterials), and diverse industries and applications (e.g., construction, automotive, aircraft, marine, space). The emergence of novel structural materials and connection technologies, together with the ongoing progress in computational tools and design specifications, demands the continuous advancement of innovative thin-walled structures in a wide range of areas.

The Thin-Walled Structures international conference series was initiated in 1996 in Glasgow under the auspices of the Journal of the same name and its Founding Editor, Prof. Jim Rhodes. Thin-Walled Structures has remained active in fostering the continuation of the conference series in the last nearly three decades. Since the initial conference in Glasgow, conferences have been held in Singapore (1998), Krakow (2001), Loughborough (2004), Brisbane (2008), Timisoara (2011), Busan (2014) and Lisbon (2018). ICTWS2023, to be held in Sydney from 29 November to 1 December 2023, will be ninth in this prestigious series of conferences.

CONFERENCE TOPICS

ICTWS2023 aims to provide a forum where researchers and designers join to present, discuss and disseminate the most recent theoretical, numerical and experimental advances in all areas related to thin-walled structures, including but not limited to:

- Steel, stainless steel and aluminium structures
- Fibre-composite and other material structures
- Members and connections
- Plates and shells

- Advanced analysis methods
- Optimisation methods and applications
- Impact and progressive collapse
- Additive manufacturing (3D printing)
- Deployable and inflatable structures
- Machine learning in engineering design

One of the main goals of ICTWS2023 is to promote an exchange of ideas that inspires innovative research paths and fosters new collaborative endeavours. We expect ICTWS2023 to have an impact on the future research and development activity in all topics included in the program. You are warmly invited to actively participate in the Conference.

CONFERENCE VENUE AND DATE

ICTWS2023 is an in-person (only) conference, to be held at the University of Sydney from 29 Nov to 1 Dec 2023. The University Campus is known for its beautiful, lush surroundings, outstanding architecture and close proximity to Sydney CBD. The weather will be warm and pleasant, and likely to be dry and sunny.

IMPORTANT DEADLINES

- Submission of abstracts – 15 April 2023
- Acceptance of abstracts – 30 April 2023
- Submission of full papers – 15 July 2023
- Acceptance of full papers – 15 September 2023

LANGUAGE

The language of the conference is English, both for the presentations and Conference Proceedings.

CALL FOR PAPERS

You are invited to submit a one-page abstract of about 400 words. Abstracts should summarise the content of the paper, highlight its contributions to knowledge and nominate the relevant Conference Topic, if applicable. The email address is abstracts@ICTWS2023.org.au.

PROCEEDINGS

The papers accepted for presentation by the ICTWS2023 Scientific Committee and presented at the Conference will be published in electronic proceedings. A special issue of Thin-Walled Structures will also be published featuring extended versions of selected papers presented at the Conference.

SYDNEY

Sydney is a dynamic multicultural city, known for its good weather, beautiful harbour and beaches, and iconic architecture. Sydney's many cultural, ethnic and linguistic communities provide a rich artistic and gastronomic experience for visitors. Sightseeing highlights include the Opera House, Sydney Harbour Bridge, the Rocks, Botanic Gardens and the NSW Art Gallery.

