



FIRST ANNOUNCEMENT

IASS 2023 SYMPOSIUM

INTEGRATION OF DESIGN AND FABRICATION

10–14 July 2023, Melbourne, Australia



INTRODUCTION

The International Association for Shell and Spatial Structures (IASS) symposia are much anticipated events for engineers, architects and researchers. The symposia attract hundreds of participants each year from around the world who come together, physically and virtually, to exchange latest ideas and exciting developments in the field and to network with professional colleagues. The symposia are also well known for friendly and memorable social activities for accompanying persons. The IASS symposia have been successfully held for over 60 years in various countries such as Brazil, China, Germany, Japan, the Netherlands, Poland, South Korea, Spain, the UK and the USA. The only time the symposia graced the Oceania region was in 1998, in Sydney, Australia.

It is wonderful that the IASS 2023 will be held in Melbourne, the cultural capital of Australia. Apart from art galleries and museums, the city has many innovative structures and fascinating architecture, where splendid Victorian buildings alternate with modern skyscrapers. Melbourne's multicultural background offers a wide variety of cuisines, a sparkling nightlife and unique tourist attractions.

THEME AND TOPICS

The theme of the IASS 2023 symposium is *Integration of Design and Fabrication*, which is becoming increasingly important with the developments of digital technologies in both design and manufacturing. The symposium covers all aspects related to material, design, computation, construction, maintenance, history, environmental impact and sustainability of shell and spatial structures in all fields of application. The symposium topics include (but are not limited to): conceptual design; computational form-finding; optimisation; computational methods for analysis; detailing and construction; advanced manufacturing;

digital fabrication; shell structures; tension and membrane structures; inflatable structures; framed and lattice structures; gridshells and bending-active structures; tensegrity systems; adaptive systems; deployable and origami systems; advanced and bio-based materials; temporary structures; metal spatial structures; timber structures; glass structures; historical structures; teaching and education.

DATES AND VENUE

The symposium will be held on 10–14 July 2023 at Melbourne Convention and Exhibition Centre, Melbourne, Australia.

CALL FOR PAPERS

Engineers, architects, researchers and anyone interested in shell and spatial structures are invited to submit abstracts of 300–400 words in English.

KEY DATES

Submission of abstracts:	31 Dec. 2022
Notification of preliminary acceptance:	31 Jan. 2023
Submission of full papers:	31 Mar. 2023
Notification of final acceptance:	30 Apr. 2023

SOCIAL PROGRAM

Social events will be organised for participants and accompanying persons, including a welcome reception, a gala dinner, technical visits and other events. Sightseeing tours will be arranged for accompanying persons.

CO-CHAIRS OF ORGANISING COMMITTEE

Prof. Yi Min 'Mike' Xie (RMIT University)
Prof. Jane Burry (Swinburne University of Technology)

FURTHER INFORMATION

Email: info@IASS2023.org.au

Website: www.IASS2023.org.au