



Call for Abstract Closing in Two Weeks

Don't miss out on the final opportunity to submit an abstract for consideration to be part of the major international symposium on shell and spatial structures—IASS 2023!

The final deadline for abstract submissions is **11:59 pm (AEDT) on 31 December 2022**.

We continue to update the list of topics for the Symposium, please note that the list now include

- Active bending
- Additive manufacturing/3D printing
- Adjustable moulding
- Architectural geometry
- Bamboo for sustainable construction and quality of life improvement
- Bio-inspired structures and architecture
- Bridge structures
- Computational form-finding
- Conceptual design
- Construction techniques
- Deployable and inflatable structures
- Design Competition (WG21)
- Digital modelling and fabrication
- Dynamic response of metal spatial structures
- Dynamic response of other structures
- Form-finding and structural optimisation of interlocking discrete assemblages
- Graphical methods
- Gridshell structures
- Historical structures
- Kinetic connections
- Lattice structures
- Life-cycle design and assessment of structures
- Membrane moulding
- Metal gridshell structures, connections and stability
- Methods and construction technologies for sustainable shell structures
- Morphology and configuration processing
- Next generation parametric design
- Novel methods in modelling, optimisation and construction for reducing carbon footprint of continuous roof shells
- Numerical methods for geometry, form-finding and optimisation of lightweight structures
- Optimisation methods and applications
- Origami
- Reducing formwork – techniques old and new
- Teaching design uncertainty: working with unknown qualities/quantities of new and re-claimed materials
- Teaching of shell and spatial structures
- Tensegrity systems and cable structures
- Tension and membrane structures
- Tension structures in the Asia-Pacific
- Timber and bio-based structures
- Topology optimisation
- Traditional masonry structures and innovation
- Transformable structures
- Other

Abstract and Full Paper Submissions Key Dates

Call for Abstracts Closes	31 December 2022
Notifications on Abstracts	3 February 2023
Full Paper Submission Closes	31 March 2023
Notification of Final Acceptance	30 April 2023

To learn more about abstract submission and download the abstract template, click the button below

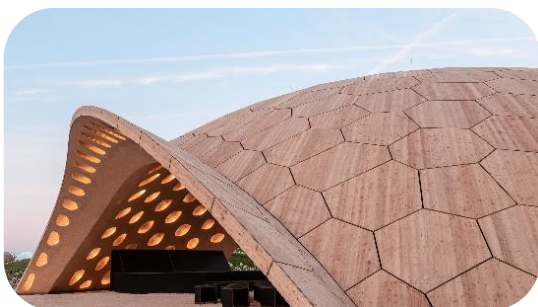
[Submit Your Abstract](#)

More Plenary Speakers Confirmed

We are thrilled to announce that two more eminent researchers/practitioners have been confirmed as plenary speakers. They are **Jan Knippers** from Germany and **Philip F. Yuan** from China. Here is a brief introduction about them.



Jan Knippers



Jan Knippers is a consulting structural engineer and since 2000 head of the Institute for Building Structures and Structural Design (ITKE) at the University of Stuttgart. His interest is in innovative and resource-efficient structures at the intersection of research and development and practice. He co-developed a robotic winding process for fibre composite systems that enables novel lightweight building systems. Another interest is advanced timber structures for segmental shells or multi-storey buildings. He designed the Central Axis for EXPO 2010 in Shanghai, one of the largest membrane structures in the world. Since 2019 he has been Deputy Director of the Cluster of Excellence “Integrative Computational Design and Construction” and is currently Dean of the Faculty of Architecture and Urban Planning at the University of Stuttgart.



Philip F. Yuan



Philip F. Yuan is a professor at the College of Architecture and Urban Planning at Tongji University, Thomas Jefferson professor at the University of Virginia (UVA, 2019), visiting professor at Massachusetts Institute of Technology (MIT, 2019), and Royal Melbourne Institute of Technology (RMIT, 2021). He is also the co-founder of DigitalFUTURES Association, Editor-in-Chief of the *Architectural Intelligence* journal. His research and practice bridge innovative technology and architectural culture, constantly seeking human-machine collaboration in the era of post-humanism. He has been awarded a variety of educational and design prizes, including 2022 AIA Open International | Architecture Honour Award, 2022 Dezeen Award Best Civic Building, 2020 ACADIA Innovative Academic Program Award of Excellence.

More speakers will be introduced in the coming months.

Sponsorship and Exhibition Opportunities

With five different Sponsorship packages and several individual opportunities to choose from, we invite your organisation to be part of IASS 2023 by becoming a sponsor or exhibitor. The symposium will attract hundreds of industry experts and outstanding researchers from around the world, so don't miss out on the opportunity to expose your organisation at this prestigious event.

Sponsorship and Exhibition opportunities are great for:

- Promoting your company among hundreds of world-leading professionals
- Raising your company profile
- Providing an opportunity to develop new strategic partnerships with participating companies and research institutions
- Networking with professional colleagues from different states and countries

To learn more about our Sponsorship opportunities, you may contact our Sponsorship Manager, **Andrea O'Sullivan** at sponsorship@aiss2023.org.au, or click the button below to visit our website

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Nohmura Foundation
for Membrane Structure's Technology



Happy Holidays from IASS 2023



Please note that the Symposium Secretariat office is closing from **23 December 2022** till **8 January 2023** and will re-open on 9 January 2023 so please be patient with any e-mail replies during or immediately after this time.

Contact Us

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