

Call for papers

Abstract submission

"1st international conference on 3D Construction printing" Committee invites you to submit abstracts on theoretical, empirical and practice-based 3D printing in construction applications. Abstracts (Max. 400 words) should be submitted as a MS Word file before 31 May 2018. Only one abstract submission is allowed per registration. Any additional papers submitted may incur an additional fee. Electronic Conference Proceedings will include both accepted abstracts and posters.

Full paper submission

Successful authors, once their abstract is accepted, are encouraged to submit their full papers. Potential papers will be selected to be considered for publication in prestigious "Automation in Construction" journal. We are currently working with a Scopus-indexed publisher to publish the rest of full papers as Conference Proceedings.

Registration

Early bird (before 30 September 2018)

Regular attendee: AUD\$750 + 10% GST

Student (full-time): AUD\$450 + 10% GST

Normal registration (after 30 September 2018)

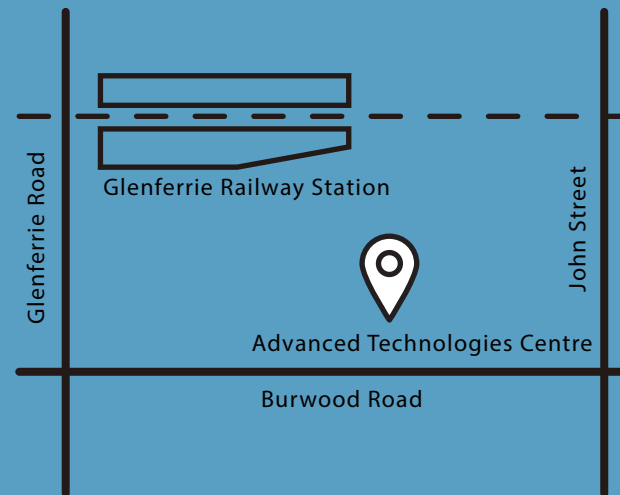
Regular attendee: AUD\$900 + 10% GST

Student (full-time): AUD\$450 + 10% GST

Contact

Email: info@3dcpconference.com

For further details, please visit
www.3dcpconference.com



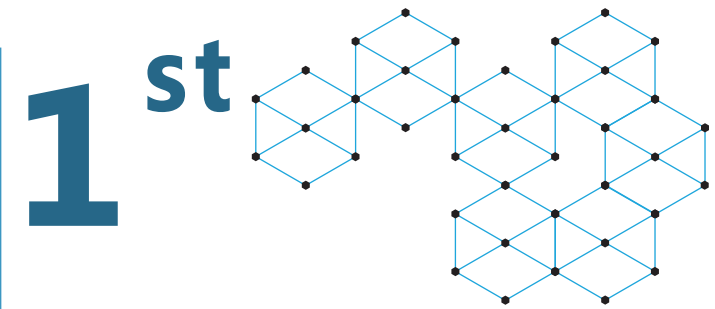
Venue

ATC Building

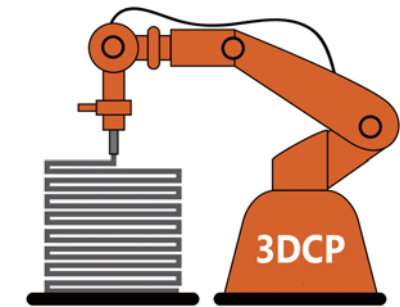
Swinburne University of Technology

441/401-451 Burwood Road

Hawthorn, Victoria, Australia



International Conference on 3D Construction Printing (3DCP)



26-27 November 2018
Melbourne, Australia



Welcome

We are pleased to invite you to the 1st International Conference on 3D Construction Printing in (3DCP).

This conference will be a major event for researchers, construction industry professionals including industry practitioners, and policy makers who are interested in 3D Construction Printing (3DCP) in relation to material, technology, design, engineering, process, policy and management aspects. The conference is aimed to offer an international platform for knowledge and technology exchange.

Several prominent international experts will provide keynote presentations. In addition to traditional presentations, we have arranged forums and workshops. The workshops and forums are aimed to generate lively debates and discussions to share knowledge. Post-conference workshops include:

Concrete Materials Technology Workshop

3D Printing Technology Workshop

Accepted papers will be published in the conference proceedings. Selected papers will be recommended for inclusion of the Special Issue of Automation in Construction, subject to normal peer review process.

Keynote Speakers

Professor Berok Khoshnevis
University of Southern California, USA
CEO and Founder, Contour Crafting Corporation

Professor Zongjin Li
Institute of Applied Physics and Materials Engineering
University of Macau, China

Associate Professor Ming Jen Tan
Programme Director for Building & Construction
Singapore Centre for 3D Printing
Nanyang Technological University, Singapore

Professor Guowei Ma
Vice President
Dean of School of Civil and Transportation Engineering
Hebei University of Technology, China

Professor Viktor Mechtcherine
Institute of Construction Materials,
TU Dresden, Germany

Conference committees

Swinburne University of Technology
Curtin University
Tongji University
Hebei University of Technology
Tsinghua University
National University of Singapore
Shenzhen University

Conference themes

The conference organisers welcome theoretical, empirical and practice based papers covering, but not limited to, the following themes:

Theme I: 3D Printing for Construction Application

Concrete and material technology for 3D printing
Extrusion-based 3D concrete printing
Powder-based 3D concrete printing
Clay technology for 3D printing
3D printing for special structures

Theme II: Digital Construction

Digital Engineering and Technology
Virtual reality in construction
Virtual construction
Digital fabrication

Theme III: 3D Construction Printing Management

Building Information Modelling (BIM)
Management aspects of 3D construction printing
Environmental aspects of 3D construction printing
Sustainability aspects of 3D construction printing
Life cycle assessment of 3D construction printing
Policy aspects of 3D construction printing
Human skill aspects of 3D construction printing

Theme IV: Automation in Construction

Robotics in construction
Automation in earthmoving

Theme V: Modelling and Topology Optimisation

3D printing in architecture
Topology optimisation of structures for 3D printing