

BLOWING YOUR COVER

Shelters, computation & innovation

Free public lecture:

4th April, 2019

5:45pm–6:45pm

Room AMDC301

Swinburne University of Technology

Dr Gregory Quinn presents original research on a radical new design for a disaster relief shelter which takes inspiration from traditional Bedouin tents but makes use of advanced technology and pneumatic falsework for its erection (i.e. inflatable cushions).

Good disaster relief shelter design is complex and elusive. Gregory's novel design makes significant progress in tackling some of the challenges relating to deployability, comfort and architectural design. To facilitate innovation it is increasingly common and necessary to develop custom computational pipelines rather than depend on existing powerhouse software. Gregory's talk covers these topics and more.

Dr Gregory Quinn

Structural Engineer and Researcher

Dr Gregory Quinn is an architectural engineer who is in constant pursuit of innovative design which improves and simplifies human experience in the built environment. By harnessing novel computational techniques, Gregory's original research has made an impact in the world of lightweight architectural structures.

Having gained his doctoral thesis from the Berlin University of the Arts in Germany where he also taught structural engineering to architects, Gregory has recently taken up the position of Discipline Coordinator for Architectural Engineering at the Swinburne University of Technology.

Gregory studied mechanical engineering at the University of Manchester and has worked as a structural engineer for Arup and freelanced for many firms including Atelier One and Bollinger Grohmann with particular focus on lightweight architecture, structural design and formfinding.

www.gregoryquinn.com

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