

buildingSMART Workshop 3

BIM the Next Wave: Collaborative Practise and Design Automation

Wednesday 29 April 2009 | 4:30pm - 8:00pm | RMIT University Research Lounge

This workshop, hosted and sponsored by RMIT University, School of Property, Construction and Project Management, is the third of 6 workshops being held in preparation for the National BuildingSMART Conference, Sydney, 10-12 September.

Calling to Architecture, Engineering and Construction professionals.

The themes of this workshop will be:
Project Collaboration and Design Automation

Workshop Chair:

Roundtable 1: Dr. Guillermo Aranda-Mena
Senior Lecturer RMIT School of Property,
Construction and Project Management

Roundtable 2: Dr Kwok-Keung Yum, Senior
Research Scientist CSIRO

The aim of this workshop is to highlight 'state of the art' building projects currently under development, "THE PRODUCT", taking full advantage of BIM methods and techniques. Industry leaders in the architectural and engineering professions have been invited to present their real-life experiences.

And a more hands-on second roundtable is to present BIM implementation in practices "THE PROCESS" with presentations on customising BIM to your practice needs (Jon Anderson), measuring your business adoption maturity levels (Bilal Succar) and results on the recently undertaken CRC-CI BIM Guidelines and Case Studies project (Guillermo Aranda-Mena).

All are encouraged to participate with questions and views (thus the name of ROUNDTABLES). The Workshop will conclude with an open forum and feedback from the audience will be shown at the National BuildingSMART Conference, Sydney, 10-12 September. **This event will provide 2 CPD points for AIQS members.**

This event is fully sponsored by RMIT and is free of charge to participants. Food and drink will be provided.

LOCATION:

RMIT University, School of Property, Construction and Project Management.
360 Swanston Street, Melbourne
Building 8, Level 5: Research Lounge
(note that entry is on Building 8)

Presenters



Adrian Stanic

Director
Lyons Architects



Craig Baudin

Associate Director
Fender Katsalidis
Architects



Andrew Maher

Leader of Digital
Innovation at ARUP



Jon Anderson

Director
Hive Engineering



Bilal Succar

ChangeAgents AEC and
Research Associate
RMIT University
Melbourne, Australia



Guillermo Aranda-Mena

Senior Lecturer
RMIT University
Melbourne, Australia

REGISTRATION:

By email to
guillermo.aranda-mena@rmit.edu.au
by Monday 27 April 2009.

Further information can be found
on the buildingsmart website at
[http://buildingsmart.org.au/
buildingsmart-workshop-3](http://buildingsmart.org.au/buildingsmart-workshop-3)

PREVIOUS AND FORTH COMING WORKSHOPS:

Workshop 1
BIM in engineering - structure &
building services
Adelaide
Contact: Jennifer MacDonald

Workshop 2
Cost Estimation Using BIM
Sydney 17 March 2009
Contact: Scott Besley

Workshop 3
BIM the Next Wave: Collaborative
Practise and Design Automation
Melbourne 29th April 2009
Contact: Guillermo Aranda-Mena
guillermo.aranda-mena@rmit.edu.au

Workshop 4
BIM in Health Facility Design.
Brisbane 6th May 2009
Contact: Peter Scuderi 0409 781 412

Workshop 5
Building product data, product
libraries, and specifications for BIM
Auckland 21st July 2009
Contact: Robert Amor +64 (9) 373 7599

Workshop 6
BIM in Health Facility Design
Perth TBC June 2009
Contact: John Mitchell 0410 318 131

buildingSMART
National Conference 2009
Sydney 10-12 September 2009
Contact: John Mitchell 0410 318 131



www.buildingSMART.org.au

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Presenters



Adrian Stanic

Director, Lyons Architects

Adrian was born in Melbourne and studied Architecture at RMIT University. He is the principal architect of RMIT University's future Swanston Academic Building (SAB). SAB is RMIT's biggest investment in a teaching and learning facility to date. The Swanston Academic Building is also the largest construction project that RMIT has ever undertaken. The building will cover a Ground Floor Area (GFA) of 33,000 square metres, will be 10 storeys high and will form a significant part of RMIT University's 'Swanston Street precinct.'



Craig Baudin

Associate Director
Fender Katsalidis Architects

Craig is a registered Architect in Victoria, and prior to joining FKA in 2002 worked on a number of large residential, commercial and mixed use projects in Australia, Hong Kong and Malaysia. In 2007 Craig became an Associate Director of the practice, with a particular focus on managing project delivery across the organisation. A significant part of this project delivery role is the overview of CAD and BIM processes within the practice. Over the past decade Fender Katsalidis have made Building Information Modelling a standard operating procedure within the practice, and are now working towards extending their BIM collaboration with other building disciplines.



Andrew Maher

Leader of Digital Innovation at ARUP

Andrew's research interests include practice based research, engineering and architecture collaboration. He did research at Spatial Information Architecture Laboratory, RMIT University on an Australian Research Council, Project: New onto old: flexible 3D computer modelling to aid heritage building restoration, recycling and extension, CI: Prof. Mark Burry. Senior Architect, 1998 - 2001. Lab Architecture Studio (Federation Square). Design Architect, 1996 - 1997. Architekturbüro Dr. Wolfgang Plück (Germany). Project Architect, 1994 - 1996. Rothe Lowman Architects.



Jon Anderson

Jon Anderson has eleven years of structural engineering experience in residential and commercial building design. Jon's background was as an engineer with major consulting engineering firms, Meinhardt and Bonacci Group, working on iconic projects including Federation Square and the QV redevelopment. Over the past four years Jon has worked as an in-house Engineering Director with two Architectural studios, Orbit Solutions and Bruce Henderson Architects. The result is that Jon can offer quality design with a unique perspective and understanding of the building design process. In the

four year period since Jon commenced running his own Structural design practice, he has delivered around 50 projects of varying scales; from small house extensions to large apartment buildings; from small commercial fitouts to a new psychiatric hospital wing. Jon has developed an expertise in Building Information Modeling, and every project he has undertaken with his own practice has utilised a 3d computer model. He has been regularly called upon to share this knowledge; getting involved with the research of the government CRC's, and lecturing undergraduates and masters students at university.



Bilal Succar

Bilal has worked for more than twelve years as designer and project leader before focusing on process design and information technologies. As an Interior Designer, he gained extensive field experience by coordinating major architectural, interior design and interdisciplinary projects in many markets. In 2004, he established ChangeAgents AEC, a consultancy practice specialising in BIM strategies, process change and knowledge management for Architecture, Engineering and Construction (AEC) sectors. His company is currently assisting the implementation of BIM within three Architectural companies including one national practice. Academically, Bilal undertook postgraduate studies in Organisational Behaviour and Human Resource Management. He is currently pursuing a PhD in Building Information Modelling, Interoperability and Process Integration at the University of Newcastle. Bilal has recently joined RMIT as a Research Associate.



Guillermo Aranda-Mena

Guillermo is currently a Senior Lecturer at RMIT University, Melbourne, Australia. Guillermo trained as an architect in Mexico and Spain (1992-1996). He holds a Master degree from Loughborough University and in 2003 he earned his PhD at The University of Reading both in the United Kingdom (1997-2003). In 2003 Guillermo was appointed Post Doctoral Research Fellow in Digital Architecture at the University of Newcastle, Australia. He worked in collaboration with the CSIRO (Australia's national research organisation), Arup and Woods Bagot Architects. Since 2004 he has been the principal investigator of four CRC-CI research projects including 'Business Drivers for BIM', 'Mobilising Construction', 'eBusiness Adoption in Construction', 'Automated BIM Estimator' and more recently he was appointed RMIT Project Leader for the CRC-CI 'BIM National Guidelines and Case Studies' (2008-2009). He lectures at both post-grad and under-graduate levels and is currently supervising a PhD investigating "The Evolution of Workplace Architecture" by Agustin Chevez and a PhD on "BIM Ontologies: Building Information Modelling" by Bilal Succar. Guillermo is a Conjoint Academic to The School of Architecture at The University of Newcastle, Australia and SIM University, Singapore. Guillermo is currently undertaking a year certificate program in Virtual Design and Construction at Stanford University.