

Parametric Design Workshop (Re-run)

The **Parametric Design Workshop** will introduce parametric design techniques with a focus on direct applications to optimize and augment the design workflows and capabilities of industry professionals.

Participants will learn to automate repetitive design process and to control non-standard geometries.

The workshop will take place over two evening sessions and address the beginner level of a planned series of progressively more advanced workshops.

There are no requirements beyond general familiarity with CAD software; some experience with 3d modelling will be helpful.



Thomas Wortmann is an architectural researcher and teacher. He graduated from MIT with a Master of Science in Design and Computation, after having worked for several years as a project architect for the Dutch architectural practice of NOX, known for its pioneering use of digital design tools.

Thomas has 10 years of experience with generative design software, scripting, and programming. He has used computational techniques for a wide range of architectural projects and purposes, from Conceptual Design to Structural Analysis, Optimization and Digital Fabrication.



Aloysius Lian has practiced and taught architecture in the United States and Singapore, after graduating from Pratt Institute with a Master of Architecture. In his five years working in Singapore, he has completed a wide range of buildings from small scale residential to large scale institutional projects, focusing on bespoke hospitality while exploiting digital fabrication techniques.

Aloysius has worked extensively with various types of generative design and computation simulation software. He is adept at computational techniques of Environmental Simulation, Design and Optimization for advanced architectural design and realization.

Thomas and Aloysius are research scientists in SUTD's Advanced Architecture Laboratory (AAL, Principal Investigator: Professor Thomas Schroepfer). AAL researches emerging architectural design methods and processes. It was recently awarded First Prize in the SIA YAL Parametric Modelling Design Ideas Competition and has been selected to implement a large-scale interactive light installation for the 2014 iLight Marina Bay Festival.

EVENT DETAILS

(2-evenings workshop)

Date	: 05 & 07 May 2014 Monday & Wednesday
Time	: 6.30pm - 9.30pm (Registration will start from 6.00pm onwards with light refreshment)
Venue	: Singapore Institute of Architects SIA Theatre Level 1 79 Neil Road (S) 088904
BOA-SIA CPD	: 4 CPD points
Fees	: SIA Members (\$100.00), Non Members (\$200.00) (fees inclusive of GST)
Closing date	: 30 April 2014

PROGRAMME SCHEDULE

(2-evenings workshop)

6.00pm	Registration with Light Snacks
6.30pm	Workshop by Mr Thomas Wortmann & Mr Aloysius Lian
9.30pm	End of event

Limited seats (maximum 30 pax) on first-come-first-served basis with completed registration form and payment.

Organiser reserves the right to cancel or postpone the workshop.

HIGHLIGHT:

- 1) Participants will need to bring along their own laptop for the workshop (preferable laptop fully charged although some electricity points will be available).
- 2) Participants will need to equip their laptop with either "Rhino 5 or Grasshopper" program before attending the workshop. Please download either one of the latest version as follows for usage during the workshop:
-> **Rhino 5 service release 3 or newer OR Grasshopper V0.9.0070**
- 3) Certificate of Attendance (CoA) will be issued to participants who attended both days of the workshop.

For more information, please contact SIA (**Ms Jacey Tay**):

Tel: (65) 6226 2668
Fax: (65) 6226 2663
Email: cpd@sia.org.sg

Organised by: Supported by:



Established in collaboration with MIT

EVENT DETAIL

GST REG. NO.: M9-0001281-J
G.N. No. 565 in Gazette No. 27

Seminar : Parametric Design Workshop (Re-run, 2-evenings workshop)
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 Fee : \$100.00 (SIA Members), \$200.00 (Non Members) – fees inclusive of GST
 Closing date : 30 April 2014

Please fax / email the completed registration form to Ms Jacey Tay:

Tel: (65) 6226 2668

Fax: (65) 6226 2663

Email: cpd@sia.org.sg

And follow up with cheque payment to Singapore Institute of Architects.

Please tick your mode of payment:

☐ By Cheque

Bank/Chq # : _____ Amt S\$: _____

Local Cheque (must be drawn in Singapore) should be crossed and made payable to "Singapore Institute of Architects".

Mail to SIA address:

Singapore Institute of Architects
79B Neil Road, Singapore 088904

Please indicate your name, company/institution and course date/title on the back of the cheque.

Participant's Detail

Organization: _____ Contact Person (if any): _____

Tel: _____ Fax: _____ Email: _____

Receipt Mailing Address: _____

_____ S ()

Full Name of Participant

(as per NRIC / FIN, pls underline surname)

NRIC / FIN #

Email

Amt

1	<div>HP #: <input type="checkbox"/> SIA Member, SIA #: [] <input type="checkbox"/> Non Member, BOA # (if any): []</div>		
2	<div>HP #: <input type="checkbox"/> SIA Member, SIA #: [] <input type="checkbox"/> Non Member, BOA # (if any): []</div>		
3	<div>HP #: <input type="checkbox"/> SIA Member, SIA #: [] <input type="checkbox"/> Non Member, BOA # (if any): []</div>		
4	<div>HP #: <input type="checkbox"/> SIA Member, SIA #: [] <input type="checkbox"/> Non Member, BOA # (if any): []</div>		

**Please take note that all the above fields are mandatory. Incomplete form will not be process.

Total:

Cheque payment for this activity should not be combined with payment for other SIA events/courses.

Fees paid are non-refundable under all circumstances. Replacement of participant will be allowed only if written notification is made at least 3 days before the event.

Where a Non-Member replaces a Member (must be from the same Org.) the fee difference will have to be made good to SIA prior to the event.

Registration for attendance of seminar shall be closed 30 mins after the seminar commences.

Registration will be on a First-Come-First-Served basis and will be accepted upon receipt of registration form and payment to SIA. Registration by fax will only be confirmed upon receipt of payment.

Registration Confirmation No.:-

