

CAUP Tongji University
2016 DigitalFUTURE Shanghai Summer Workshop Recruitment

DigitalFUTURE Shanghai 2016 上海数字未来

THE 6TH CAUP TONGJI UNIVERSITY

“Digital Future Shanghai” Workshop

DIAGRAMMATIC THINKING IN DIGITAL FABRICATION

DATE: JUNE 25 - JULY 03, 2016

VENUE: CAUP TONGJI UNIVERSITY

Recruitment

1. Open recruitment for general public. Grade 3 or above architecture students in Tongji university are free.
2. Proficiency in Rhino, Grasshopper and other digital design software

Application Deadline: June 10, 2016

1 Robotic Spatial Printing

DDRC (Tongji University)
FabUnion

5 3D Printed Wearables design

Neil Leach(European Graduate School/Tongji University)
Behnaz Farahi (USC)

2 Robotic 3D Bending

DDRC (Tongji University)
FabUnion

6 Real-Time Autonomous Deposition

Roland Snooks
(Kokkugia/Studio Roland Snooks/RMIT)

3 Robotic Timber Tectonics

DDRC (Tongji University)
FabUnion

7 Particle Hut

Matias del Campo & Sandra Manninger
(SPAN/University of Michigan)

4 Wind Tunnel and CFD Morphologies

DDRC (Tongji University)
FabUnion

8 Generative Design and Fabrication

Ezio Blasetti
(University of Pennsylvania)

Schedule

Workshop

June 25—July 02, 2016

Exhibition

July 02 Afternoon Exhibition Opening

July 02—September 15, 2016

Exhibition Hall: Building C, CAUP Tongji University

Conference

July 03, 2016

Venue: Auditorium, Building B, CAUP Tongji University

*Please send the Group Number, CV and Portfolio to
digitalfuture2016@outlook.com

We will select the registered students for each group according to the requirement of
the instructor, and send you the final decision by June 15th, 2016



Contact

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Email: digitalfuture2016@outlook.com

DigitalFUTURE Shanghai 2016 上海数字未来

THE 6TH CAUP TONGJI UNIVERSITY

“Digital Future Shanghai”

CONFERENCE OF DIAGRAMMATIC THINKING IN DIGITAL FABRICATION

DATE: July 03, 2016

VENUE: Auditorium, Building B, CAUP Tongji University

Speakers

Antonie Picon

Professor, Harvard University GSD

Yung Ho Chang

Professor, Massachusetts Institute of Technology
Professor, CAUP Tongji University

Achim Menges

Professor, ICD, University of Stuttgart
Visiting Professor, Harvard University GSD

Weiguo Xu

Professor, Chair of Architecture Department
Tsinghua University

Neil Leach

Professor, European Graduate School
Visiting Professor, Tongji University

Biao Li

Professor, LAB.AAA, Southeast University

Mike Xie

Fellow, Australian Academy
Distinguished Professor, RMIT

Guohua Ji

Professor, Nanjing University

Feng Yang

Associate professor, CAUP Tongji University

Philip F. Yuan

Professor, CAUP Tongji University

HOSTS :

College of Architecture and Urban Planning(CAUP), Tongji University
Tongji Architectural Design Group(TJAD) Co.,Ltd.

CO-ORGANIZERS :

Digital Architecture Design Association(DADA)
Time + Architecture
Fab-Union

Contact



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"Diagrammatic Thinking in Digital Fabrication" is the 6th of "DIGITAL FUTURE Shanghai" event--an annual event series devoted to explore digital design and fabrication methodologies in contemporary context. In this year, with the support of College of Architecture and Urban Planning Tongji University, Tongji Architectural Design (Group) Co., Ltd.(TJAD) and "Time + Architecture" Magazine, the event is integration of **Fabrication Workshop , International Conference, Workshop Exhibition and Workshop Conference** . And it will bring professors and leading architects in the field of digital design and fabrication together to discuss the potential of the correlation between diagrammatic thinking and digital fabrication under the social transformation influenced by Industry 4.0.

The event will take place from June 25th to July 3rd 2016 in Tongji University. And it will be hosted by College of Architecture and Urban Planning Tongji University, Tongji Architectural Design (Group) Co., Ltd.(TJAD) , and supported by Digital Architecture Design Association (DADA) , "Time + Architecture" Magazine and Fab-Union. We sincerely invite all the professors, students, architects, and industrial partners around the world to participate to the event.

Workshop Recruitment:

A Robotic Spatial Printing

Instructor Team: DDRC (Digital Design Research Center, Tongji University) +FabUnion

B Robotic 3D Bending

Instructor Team: DDRC (Digital Design Research Center, Tongji University) +FabUnion

C Robotic Timber Tectonics

Instructor Team: DDRC (Digital Design Research Center, Tongji University) +FabUnion

D Wind Tunnel and CFD Morphologies

Instructor Team: DDRC (Digital Design Research Center, Tongji University) +FabUnion

E 3D Printed Wearables design

Instructor Team: Neil Leach (European Graduate School, Tongji University)

Behnaz Farahi (University of Southern California)

F Real-Time Autonomous Deposition

Instructor Team: Roland Snooks (Studio Roland Snooks, Kokkugia, RMIT)

G Particle Hut

Instructor Team: Matias del Campo & Sandra Manninger (SPAN/University of Michigan)

H Generative Design and Fabrication

Instructor Team: Ezio Blasetti (University of Pennsylvania)

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We will select the registered students for each group according to the requirement of the instructor, and send you the final decision by June 15 th, 2016

Schedule: :**1. Fabrication Workshop**

Date: June 25 –July 02 2016

Venue: College of Architecture and Urban Planning, Tongji University

2. Workshop Conference

Date: July 2nd 13:00-18:00

Venue: Building B Auditorium CAUP

Speakers:

Roland Snooks (RMIT University)

Behnaz Farahi (University of Southern California)

Ezio Blasetti (University of Pennsylvania)

Matias del Campo (University of Michigan)

Philip F. Yuan (CAUP Tongji University)

3. Workshop Exhibition

Date: July 02, 2016 –September 15,2016

Location: Building C Exhibition Hall CAUP

4. International Conference

Date: July 3rd 2016 All Day

Venue: Building B Auditorium CAUP

Speakers:

Antonie Picon (Professor, Harvard University GSD)

Yung Ho Chang (Professor of the practice, MIT, Professor, CAUP Tongji University)

Neil Leach (Professor, European Graduate School, Visiting Professor, Tongji University)

Xu Weiguo (Professor, Chair of Architecture Department, Tsinghua University)

Li Biao (Professor, Southeast University)

Achim Menges (Professor, ICD, University of Stuttgart)

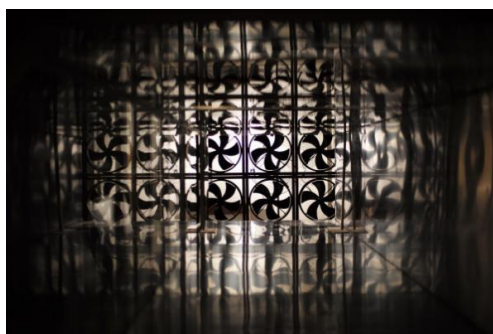
Gi Guohua (Professor, Nanjing University)

Mike Xie (Fellow, Australian Academy, Distinguished Professor, RMIT)

Yang Feng (Associate professor, CAUP Tongji University)

Philip F. Yuan (Professor, CAUP Tongji University)

历年工作营回顾 Previous Workshop Review:

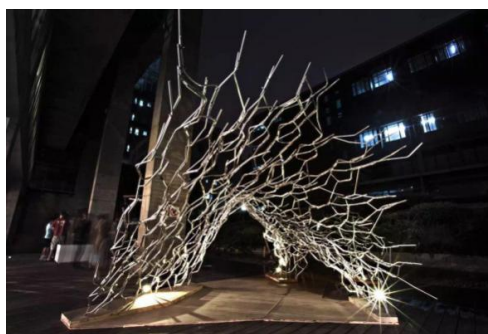


2015 年物理风洞与环境性能生形

2015 Wind Tunnel and Environment

Performance Morphologies

指导老师 Instructor: 袁烽 Philip F. Yuan



2015 年机器人协同建造

2015 Swarm Fabrication

指导老师 Instructor: Roland Snooks



2015 年机器人陶土打印

2015 Robotic Ceramic Printing

指导老师 Instructor: 袁烽 Philip F. Yuan



2015 年 3D 打印时装

2015 3D Print Wearable

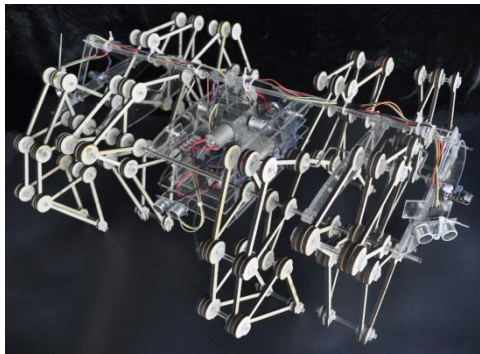
指导老师 Instructor: Steven Ma, Rem D • Koolhaas



2015 年机器人木构造
2015 Robotic Wood Tectonics
指导老师 Instructor: Achim Menges



2014 年机器人复合材料打印
2014 Autonomous Tectonic
指导老师 Instructor: Matias del Campo
Sandra Manninger



2013 年机械狂欢
2013 Emotive Robot
指导老师 Instructor: 袁烽 Philip F. Yuan



2012 年机械花园
2012 Mechanical Garden
指导老师 Instructor: 袁烽 Philip F. Yuan