



International Workshop on Construction Industrialization

Chair: Prof. Geoffrey Qiping SHEN

Date: 25 August 2017

Time: 9:00 a.m. – 5:30 p.m.

Venue: Room 302, 3/F, Block Y

The Hong Kong Polytechnic University

Many benefits are derived from the industrialization of construction process: e.g., cleaner construction sites, improved construction quality, reduced amount of construction wastes, and increasing efficiency enabled by information technologies. This workshop presents the latest research advances and future directions in this subject area.

Time	Invited Speaker	Title
09:00 – 09:10	Opening Address	
	Prof. Thomas BOCK	<i>Future Urban Transformation Through Construction Industrialization and Robotics</i>
09:10 - 10:30 (Chair: Prof. Geoffrey Q. P. SHEN)	Prof. Jun WANG	<i>A Review on Development of Building Industrialization in China</i>
	Prof. Roger Bruno RICHARD	<i>Industrialization of Construction: Sustainability and Individualization</i>
10:30 - 10:45	Refreshment Break Venue: Foyer 3/F, Block Y	
	Prof. Zhi-liang MA	<i>An Internet+-Based System for Optimized Management of Precast Component Production</i>
10:45 - 12:30 (Chair: Prof. Thomas BOCK)	Dr. Wilson W. S. LU	<i>Design for X, Not for a High Index: The Proposition of an Optimal Level of Prefabrication Construction for Different Socio-economic Technical Contexts</i>
	Dr. Wei PAN	<i>Life Cycle Carbon Assessment of Prefabricated Buildings: Challenges, Fundamentals, and Solutions</i>
	Dr. Jian-guo DAI	<i>Prefabricated Geopolymer Concrete Sandwich Wall with FRP Shear Connectors for Building Construction</i>
12:30 - 14:00	Lunch Venue: Staff Restaurant, 4/F, Communal Building	
	Dr. Jack C.P. CHENG	<i>BIM-supported Building Facade Fabrication</i>
14:00-15:45 (Chair: Prof. Roger Bruno RICHARD)	Prof. Yun-lin LIU	<i>Evaluating the Flaws in the Grouted Splice Sleeve Connection Using the Impact-echo Method</i>
	Dr. Kin Hung Jacky CHUNG	<i>Construction 3D Printing: A New Approach to Promote Construction Industrialization</i>
	Prof. Geoffrey Q. P. SHEN	<i>RFID-enabled BIM Platform for Supply Chain Management in Construction Industrialization</i>
15:45 - 16:00	Refreshment Break Venue: Foyer 3/F, Block Y	
16:00 - 17:30	Closed Forum Session & Panel Discussion	

Organizer:

Research Institute for Sustainable Urban Development

Registration Deadline:

10 August 2017

(Free registration before the deadline)

Details:

<https://www.polyu.edu.hk/risud/RAIS2017/>

Registration:

<https://www.polyu.edu.hk/mysurvey/index.php/635696>

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