

Lean Construction & Digital Tools

WEBINAR

18TH NOVEMBER 2021

5.00PM (CET)

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CONTENTS

Event on **Lean methodologies** applied in the **construction sector**, with particular focus on the **digital supportive tools** to create value.

The complexity of the value chain system in the construction sector needs **tailored methods** and applications with an extensive use of digital technologies and tools (i.e. BIM, virtual and augmented reality and robotics).

Examples of methods and digital tools to create agile flows will be discussed through **applied use cases** ranging from the design to the facility management.

SPEAKERS

Paolo Gaiardelli, University of Bergamo - Italy

Matteo Zanchi, University of Bergamo - Italy

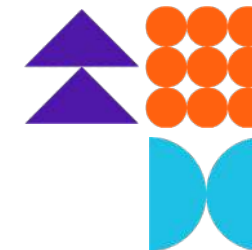
Luca Martinello, Free-lance consultant - Italy

Gabriele Pasetti Monizza, Fraunhofer Institute - Italy

Cinzia Slongo, Fraunhofer Institute - Italy

Ben Breen, Managing Director, Asia Pacific and Head of Global Construction - PMI

Giusi Meloni, President of PMI Northern Italy Chapter



AGENDA

Speakers	Topics	Time
Francesco Alibrandi	Opening	5.00 pm
Paolo Gaiardelli & Matteo Zanchi	Intro to the lean construction	5.10 pm
Luca Martinello	Case studies	5.30 pm
	Questions & Answers	5.50 pm
Gabriele Pasetti Monizza & Cinzia Slongo	Digital transformation as a challenge for boosting automation of the information system	6.05 pm
	Questions & Answers	6.45 pm
Ben Breen	PMI certification prospects	7.00 pm
Giusi Meloni	Closing	7.20 pm

SPEAKERS PRESENTATION

Paolo Gaiardelli - University of Bergamo – Italy



Paolo Gaiardelli is **Associate Professor at the Department of Management, Information and Production Engineering** of the **University of Bergamo**. His teaching and research subjects mainly concern **Operations and Production Management**, with a

specific interest in Lean Management.

His investigations focus on major trends in **industry, including sustainable, behavioural and digital operations**. In particular, he is involved in studying how the integration of lean approaches with digital technologies enhances sustainability in production. Although Paolo's research is primarily related to the exploration of lean principles in the manufacturing sector, he has recently extended the field of his explorations to the construction and service sectors. **Chair Europe of the IFIP Working Group 5.7 | Advances in Production Management Systems**, he is **Associate Editor of Production Planning and Control (PPC)** and author of about 100 publications in leading journals, international conferences and books.

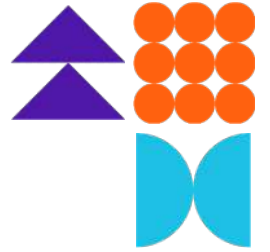
Matteo Zanchi - University of Bergamo – Italy



Matteo Zanchi is a PhD student and research assistant at University of Bergamo (Cels group), from which he graduated in 2019 with a **Master's degree in Mechanical Engineering**, with a thesis on the redefinition and reorganization of a company material

handling logics through the use of Lean techniques.

He started his collaboration with the group in 2020 through a scholarship for research activities, focused on the **application of lean logics in the construction field**, with the collaboration of several companies in the area. His current activities focus on the study of how the adoption of **lean management practices impact the learning process indigitalised production contexts**.



SPEAKERS PRESENTATION

Gabriele Pasetti Monizza - Fraunhofer Institute – Italy



Gabriele Pasetti Monizza is **team leader of Digital Design and Engineering team** at Fraunhofer Italia, and **adjunct professor** at the Free University of Bolzano for the course Construction Site 4.0 within the Professional Bachelor in Wood Engineering.

Since 2010, he develops his research activities about **digital automation of information systems** within the Building Industry through applications of Computational Design techniques.

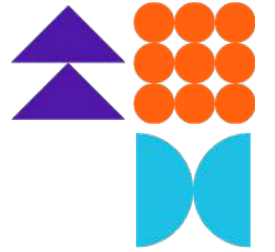
His activities focus on **optimizing the information flow between product development and production system management**, pushing mass-customization of products.

Cinzia Slongo - Fraunhofer Institute – Italy



Cinzia Slongo is a researcher in **Process Engineering in Construction team** at Fraunhofer Italia. She graduated in Architectural Engineering (4/S – Architecture and Construction Engineering) on October 29, 2008.

The next year she passed the government exam and licensed as a profession Engineer and enrolled as a **member of the Italian Engineering Society** - section A. In March 2012 she received a PhD in Engineering of Civil and Mechanical Structural Systems at the University of Trento. Her research interests mainly concern **control GIS and BIM Integration in infrastructure design and construction and automation, digitalisation and innovation of construction processes**.



SPEAKERS PRESENTATION

Luca Martinello – Free-lance consultant – Italy



Luca Martinello is a **senior consultant at Istituto Lean Management**, part of the Lean Global Network. After graduating as a Civil Engineer, he worked as a Project Manager for 8 years both in Design and Construction in Italy and abroad, mainly on capital projects.

He has been **researching Lean Management and Lean Construction since 2006**, when he wrote his thesis as an exchange student in UC Berkeley, CA. He holds a Master in Lean Management at Fondazione CUOA, Italy.

Since 2013, he has been working as a **trainer and consultant** in more than 50 companies in Italy, supporting **lean transformation** both at a strategic and operational level, with projects in operations, office and R&D environment.

He is currently making a contribution to the development of Lean Construction in Italy, with experiences in medium size companies especially in Veneto and Friuli Venezia Giulia.

Ben Breen - Managing Director, Asia Pacific and Head of Global Construction – PMI

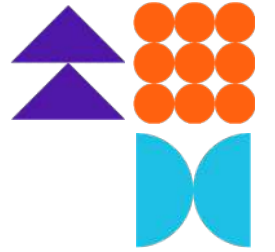


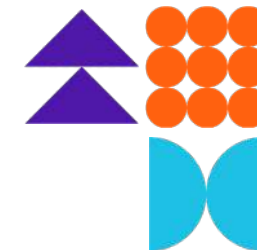
Ben Breen is **Managing Director, Asia Pacific, and Head of Global Construction**, where he will oversee business development and represent the chapters in the region bringing us closer to the needs of our customers.

He also will **spearhead the Construction Working Group for greater reach and focus**.

Originally from Australia, he moved to Singapore in 1994 and has since supported or led hundreds of projects including iconic developments such as Marina Bay Sands and the award-winning Suntec Convention Centre. He has founded several project management and design companies, helping them to grow and develop into best-in-class providers.

Before joining PMI, he served as **Managing Director, South East Asia at Space Matrix Design Consultants Pte Ltd**, Singapore, where he was responsible for servicing Space Matrix's clients who were looking to expand their global footprint across Asia.





REGISTRATION AND PDU

For registration: the event is held online, click here to register: <https://boxoffice.pmi-nic.org/event/20211118> and follow the guided procedure.

Remember to insert your **promotional code** if you have one.

Free registration for PMI members.
For members with promotional code (or sponsored entities): 15 € + VAT
For non-members: 30 € + VAT

Info/Cancellation: events@pmi-nic.org.
Maximum number of subscribers: 500.
Please remember the rate is not refundable.

PDU recognised for the participation of the event:

PDU	PMP/PgMP	ACP	SP	RMP	PfMP	PBA	CAPM	DASM	DASSM
Technical	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00
Leadership	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Strategic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALE	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00	1.00