

# NEW CHALLENGES FOR COMPLEX CONSTRUCTIONS: INNOVATION AND SUSTAINABILITY

ARCHITECTURE, BUILT ENVIRONMENT, AND  
CONSTRUCTION ENGINEERING DEPARTMENT (DABC)  
POLITECNICO DI MILANO

07|11

h. 11:00 (UAE time) | h. 8:00 (IT time)

## SUMMARY

Construction sector is undergoing disruptive transformations highlighting the need to rethink the design of complex infrastructure for sport, health and leisure. New habits and needs emerged highlighting the role of built environment in providing social platform for sustainability, innovation and inclusion as global challenges for decarbonisation, health and wellbeing in line with Sustainable Development Goals (SDGs), Green New Deal and specific national recovery plans. The Department ABC (Architecture, Built environment and Construction engineering) has the aim of exploring new scenarios, face post-pandemic needs with a new vision able to anticipate innovation through tools and methodologies that give added value to all the stakeholders. The event "NEW CHALLENGES FOR COMPLEX CONSTRUCTIONS: INNOVATION AND SUSTAINABILITY" is a platform for sharing innovative ideas, new solution for the built environment and a strategic vision of sustainability toward multidisciplinary and transnational research business opportunities.



At Intercontinental Dubai Marina  
King Salman Bin Abdul Aziz Al Saud Street  
Dubai ,393080, United Arab Emirates

Rooms: Admiral, Penthouse

11:00 The key role of ABC Department, Politecnico di Milano  
*Stefano Capolongo, Politecnico di Milano*

### SPORT DESIGN AND MANAGEMENT (11:00-13:00)

- 11:05 Institutional Greetings  
*Marco Riva, Coni Lombardy President*
- 11:10 Sport as an engine of urban and social regeneration  
*Emilio Faroldi, Politecnico di Milano, Director of the Master in Sport Design and Management*
- 11:20 Sport event as an element of urban enhancement. How cities have their role  
*Samantha Cotterell, Advisor to the Australian Pavilion for EXPO 2020 Dubai*
- 11:40 Sports and public space. Practices and projects  
*Maria Pilar Vettori, Politecnico di Milano, Associate Professor*
- 12:00 Social responsibility of sport design  
*Matthew Utley, Principal at Grimshaw*
- 12:20 MAPEI partner, turning ideas to reality  
*David Malloch, Regional Product Line Manager, Resilient Flooring, Middle East and Africa for the MAPEI Group*
- 12:40 Master in Sport Design and Management presentation
- 13:00 Lunch

### BUILDING THE FUTURE WITH ABC DEPARTMENT (14:30-16:30)

- 14:30 Multidisciplinary and innovation for healthier and more sustainable cities  
*Stefano Capolongo, Politecnico di Milano*
- 14:45 Italy at EXPO 2020: Research and Vision for the future  
*Carlo Ratti, Massachusetts Institute of Technology*
- 15:15 Integrated processes for designing and building complex infrastructures  
*Giuseppe Antonio Chiarandà, Rimond*
- 15:30 Materials' innovation for the construction industry  
*Ingrid Paoletti, Politecnico di Milano*
- 15:45 Round Table: global perspectives and local identities
- 16:30 Networking cocktail