

6th - 7th May 2009

Building complex shapes and beyond | Id&CT09

INNOVATIVE DESIGN AND CONSTRUCTION TECHNOLOGIES

Information

The Congress will be held at the Politecnico di Milano,
Faculty of Architecture and Society,
E.N. Rogers room - ED 11
Via Ampère, 1 - 20133 Milano ITALY

Milano urban transportation

If you take an underground line "GREEN LINE", stop PIOLA

By taxi

If you are using a taxi instead of public transportation, specify well the following address to the driver:
Politecnico di Milano
Via Ampère, 1
Milano

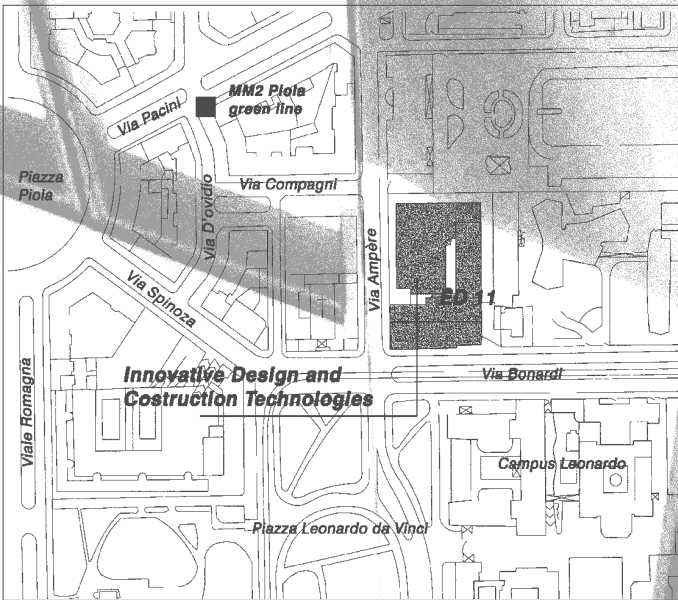
REGISTRATION at www.idct2009.promoest.com

Fees

FULL REGISTRATION FEE € 250,00
STUDENT OR EASY TERM € 150,00

Event at Fondazione Arnaldo Pomodoro € 50,00

Fees includes the complete publication of all the speakers lectures and papers exposed at the conference and selected by the scientific committee.



Interventions

ARUP, ONL, STEVENS Institute of Technology, Buro Happold, Zaha Hadid Architects, Harvard University Graduate School of Design, SPAN Architects, octatube, BOLLINGER + GROHMANN Ingenieure

Support

Hines, nedcam, PERMASTEELISA GROUP, Regione Lombardia, ArcelorMittal, SITdA, Industrialisation in Construction, Gruppo degli Architetti, PagineGialle, Gruppo degli Architetti, PagineGialle e Conservatori della Provincia di Milano, Consiglio Regionale della Lombardia, Consiglio Regionale della Provincia di Milano, Gruppo degli Architetti, PagineGialle e Conservatori della Provincia di Milano

in collaboration with

UNIFAIR, UNIFAIR

Scientific Board Referee
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This International conference wants to give the state of the art of innovative design and construction technologies, with a wide perspective of all the operator involved from architect, to engineer to supplier and client.

The topics for IDCT09 will be focused on the following areas:

Design and form finding
Engineering and computational methods
File2factory and mass customization
Digital processes in construction industry
Innovative materials
Advanced design and construction technologies
Technology transfer
Multidisciplinary approach

A particular focus will be given on innovation, analysing project, tools, technologies and materials from critical and up to date point of view, that could arise the opportunities from privileged contexts to the construction sector in general.

Scientific Committee

Anna Mangiarotti	Department Best, Politecnico di Milano
Ingrid Paoletti	Department Best, Politecnico di Milano
Andrea Vidotto	Department DIPSA, Università degli studi Roma Tre
Fritz Scheublin	TU Eindhoven (TG57)
Gerhard Girmscheid	ETH Zurich (TG57)
Ulrich Knaack	TU Delft
Marzio Perin	Gartner Permasteelisa Group
Tommaso Tirelli	Arcelor Mittal

Wednesday 6th may

9.15 Welcome

Giulio Ballio, Rector of Politecnico di Milano; *Piercarlo Palermo*, Dean of Faculty of Architecture and Society; *Emilio Pizzi*, Head of Best Department

Introduction of the conference

Anna Mangiarotti, Ingrid Paoletti, Best Department, Politecnico di Milano

Morning session:

FORM FINDING and COMPLEX MORPHOLOGY

Chair: *Filippo Innocenti, Zaha Hadid Architects*

9.30 Sense and Advanced Sensibility – about the relationship of sensuality, obsessions and advanced design techniques

Matias del Campo, SPAN Architects, Vienna

10.00 Partly logic / Logic of parts

Marc Fornes, Theverymany

10.30 Parametric models: formal thinking for architects

Arnold Walz, DesignToProduction

11.00 Liquid parametrics: fluidity of form and process

Cristiano Ceccato, Zaha Hadid Architects

11.30 Round table

12.00 PARALLEL SESSIONS

13.30 BREAK

Afternoon session:

ENGINEERING FOR CONSTRUCTION

Chair: *Massimo Majowiecki, Studio tecnico Majowiecki*

14.30 From structure to fabrication

Nathaniel Stanton, Buro Happold Special Projects, New York
Shrikant Sharma, Buro Happold SMART Group- London

15.00 Geometrical approach to complex architecture

Luca Buzzoni, Arup Italia

15.30 Digital methods in structural design

Oliver Tessmann, Bollinger & Grohmann

16.00 Complex Building Shapes - a Developer's Perspective

Bruce Frey, Hines

16.30 Round Table

17.00 PARALLEL SESSIONS

Evening at FONDAZIONE POMODORO

with a presentation on advanced sculpting technologies

Tuesday 7th may

Morning session:

DIGITAL FABRICATION and FILE TO FACTORY PRODUCTION

Chair: *Stefano Converso, DIPSA Departement, Università degli studi Roma Tre*

9.30 A bottom-up approach to the implementation of advanced fabrication methods

John Nastasi, Product-Architecture Lab, Stevens Institute of Technology / Nastasi Architects

10.00 Architecture = Information

Marthijn Pool, ONL Oosterhuis, Léonard

10.30 Compound curved building surfaces with shaped stone blocks

Christian R. Pongratz, Pongratz Perbellini Architects

11.00 Application of new "fit-for-use" materials in building and construction market

Erwin van Maaren, Nedcam

11.30 Round table

12.00 PARALLEL SESSIONS

13.30 BREAK

Afternoon session:

TECHNOLOGICAL INNOVATION and MASS CUSTOMIZATION

Chair: *Ingrid Paoletti, Best Department, Politecnico di Milano*

14.30 Parametric Fabrication

Martin Bechthold, Harvard GSD

15.00 Evolution of Technical Rationalization in Complex Curtain Wall components

Christian Florian, Permasteelisa Group

15.30 Compositive Blob Shells

Mick Eekhout, Octatube

16.00 Design Driven Innovation

Roberto Verganti, DIG - Politecnico di Milano

16.30 Round table

17.00 PARALLEL SESSIONS

18.30 CONCLUSIONS AND GREETINGS