

Wednesday, September 5

18:00 - 20:00

Welcome Reception

Círculo del Liceo
La Rambla, 65

Thursday, September 6

08:00 - 08:30

Registration

Building C2

08:30 - 09:00

Opening Ceremony

Auditorium "Sala d'Actes" Building C2

09:00 - 10:45

Prof. Iacint Manoliu's Keynote Lecture

ThM03O

Room: Auditorium "Sala d'Actes" Building C2

Chair: Diego Lo Presti

Co-Chair: Eusebio Jarauta

Ethical competencies in Higher Education

M.R. Buxarrais

09:00 - 10:45

Keynote Lecture

ThM03O

Room: Auditorium "Sala d'Actes" Building C2

Chair: Diego Lo Presti

Co-Chair: Eusebio Jarauta

Education: Challenges for successful civil engineering projects

J. Freyre de Andrade

10:45 - 11:15

Coffee Break

11:15 - 12:45

New contents and capabilities (BIM + VR): 1

ThM05P01

Room: Auditorium "Sala d'Actes" Building C2

Chair: Vladimir Alekhin

Co-Chair: Rolando Chacón

11:15 - 11:30

Application of Building Information Modelling Methodology in a Project Based Learning subject

D. Sanchez-Ramos, Á. Galán, L. Rodríguez, A. Arrieta and S. Moraleda

[Abstract](#) | [Full Paper](#)

11:30 - 11:45

Education in Engineering: BIM and VR Technologies Improving Collaborative Projects

A. Z. Sampaio

[Abstract](#) | [Full Paper](#)

11:45 - 12:00

Introducing BIM into Education: Opportunities and Challenges

J. Pereiro-Barceló and C. Meléndez

[Abstract](#) | [Full Paper](#)

12:00 - 12:15

VR-Based Teaching and Learning Tool for Building Design and Construction

C. Zhang and B. Chen

[Abstract](#) | [Full Paper](#)

12:15 - 12:30

Collaborative Workshop: Sustainable Civil Engineering Proposals for Real Settings

E. Roca, M. Villares and E. Oller

[Abstract](#) | [Full Paper](#)

12:30 - 12:45

The Augmented Reality Sandbox as a tool for the education of Hydrology to Civil Engineering students

N. Theodossiou, D. Karakatsanis and E. Fotopoulou

[Abstract](#) | [Full Paper](#)

11:15 - 12:45

Methodology 1

ThM05P02

Room: Aula de Tesinas "Thesis Room"

Chair: Arndt Goldack

Co-Chair: M. Rosa Estela-Carbonell

11:15 - 11:30

Challenges of the Education in Civil Engineering

J. Paavola

[Abstract](#) | [Full Paper](#)

11:30 - 11:45

Teaching and Evaluating Generic Student Outcomes at the School of Civil Engineering in Valencia (SPAIN)

T. Ruiz and E. Pellicer

[Abstract](#) | [Full Paper](#)

11:45 - 12:00

Network Interaction of Higher Educational Institutions in Preparing of Engineering and Scientific Personnel on a Priority Direction of "URBANISTICS"

A. Ponomaryov and S. Vahrushev

[Abstract](#) | [Full Paper](#)

12:00 - 12:15

Integrating Sustainability and Social Commitment Transversal Competence Across Civil Engineering Curricula through Case Studies and a Common Evaluation Rubric

A. Pérez-Foguet, D. Requejo-Castro, M. Etxeberria, A. Garola, E. Oller and R. Giné-Garriga

[Abstract](#) | [Full Paper](#)

12:15 - 12:30

Active Learning for Project Management in Civil Engineering

E. Fillola, G. Ramos and J. Turmo

[Abstract](#) | [Full Paper](#)

12:30 - 12:45

Engagement of Civil Engineer students in the first academic year

M.R. Estela-Carbonell and P. Díez

[Abstract](#) | [Full Paper](#)

12:45 - 14:00

Lunch Break

Unity

Plaça Telecos

14:15 - 16:15

Methodology 2

ThA07P

Room: Auditorium "Sala d'Actes" Building C2

Chair: Jean Berlamont

Co-Chair: Elisabet Roca

14:15 - 14:30

Lights and Shadows on the sySTEM

F. Martínez-Abella, I. Colominas, J. Sanmartín Ferreiro and M. F. Herrador

[Abstract](#) | [Full Paper](#)

14:30 - 14:45

Yin Yang Project. Building On a Large Scale and Their Educational Potential

F. González Blanco and M. F. Herrador

[Abstract](#) | [Full Paper](#)

14:45 - 15:00

The Civil Engineering Olympiad: A Program to Open Student Vocations

M. López-Alonso, J. Martín-Pascual, J. Alcalá, G. Chamorro, I. López and M. Zamorano

[Abstract](#) | [Full Paper](#)

15:00 - 15:15

The Group of Projects: Designing Different Footbridges for the Same Site

J.J. Jorquera-Lucerga

[Abstract](#) | [Full Paper](#)

15:15 - 15:30

Benefits and Limitations of Adopting Project-Based Learning (PBL) in Civil Engineering Education - a Review

T. McKenna, A. Gibney and M. G. Richardson

[Abstract](#) | [Full Paper](#)

15:30 - 15:45

Introducing Project Management Processes and Skills on a PBL Subject

C. Castillo, Á. Galán, J. González and L. Rodríguez

[Abstract](#) | [Full Paper](#)

15:45 - 16:00

Bridge Design Massive Open Online Course

J.A. Lozano-Galant, S. Sanchez-Cambronero, F.J. Castilla, M.J. García, J. Ley and V. Romero

[Abstract](#) | [Full Paper](#)

16:00 - 16:15

Teaching Exploration of "Civil Engineering Construction Course" under the Objective of Cultivating Excellent Engineers

X. Hu, W. Xu and S. Yang

[Abstract](#) | [Full Paper](#)

16:15 - 16:45

Coffee Break

16:45 - 17:45

Impact on education (Global perspective) : 1

ThE08P

Room: Auditorium "Sala d'Actes" Building C2

Chair: Thibaut Skrzypek

Co-Chair: A. Pérez-Foguet

16:45 - 17:00

Increasing the Presence of a Civil Engineering School in the Local and Social Context: Popularization and Insertion Activities

I. Colominas, M. F. Herrador, J. París, J. J. Galán, A. Baldomir, D. Carro-López and L. Pena M.

[Abstract](#) | [Full Paper](#)

17:00 - 17:15

The Impact of Erasmus + International Project for the Development of Science

I. Maltseva, V. Alekhin and K. Maltceva

[Abstract](#) | [Full Paper](#)

17:15 - 17:30

CALOHEE Project and Civil Engineering: Analysis of Results

A. Soeiro

[Abstract](#) | [Full Paper](#)

17:30 - 17:45

EnviEU, the First Jean Monnet Teaching Module About the Environmental Framework in Europe

J. Martín-Pascual, D. Gómez-Lorente, J.M. Poyatos, A. Ramos, D.P. Ruiz-Padillo, F. Serrano and M. Zamorano

[Abstract](#) | [Full Paper](#)

18:00 - 19:30

EUCEET Association general Assembly

Auditorium "Sala d'Actes" Building C2

20:00 - 22:00

Gala Dinner

El Jardí de l'Abadessa

Carrer de l'Abadessa Olzet, 26

Friday, September 7

09:00 - 10:45

New contents and capabilities (Smart tools): 1

FrM01P01

Room: Auditorium "Sala d'Actes" Building C2

Chair: Alfredo Soeiro

Co-Chair: Marti Sanchez-Juny

9:00 - 9:15

Using Simulation and Serious Games in STEM Education

N. Campos, M. Nogal, C. Caliz and A. A. Juan

[Abstract](#) | [Full Paper](#)

9:15 - 9:30

Building freeform : a Workshop Experiment from Design to Fabrication

C. Douthe, M. Bagn ris, L. Du Peloux and R. Mesnil

[Abstract](#) | [Full Paper](#)

9:30 - 9:45

Electronic Educational Resources as Innovative Technologies of Engineering Education

Y. I. Tolstova and N. P. Shiryayeva

[Abstract](#) | [Full Paper](#)

9:45 - 10:00

SEISMOCODE: a Lifelong e-learning Platform to Help Civil Engineers Keep Pace with Building Codes Evolution

R. Pascu, I. G. Craifaleanu, O. Anicai, L. Stefan, V. Popa, V. V. Oprisoreanu, I. Damian, A. Papurcu and C. Rusanu

[Abstract](#) | [Full Paper](#)

10:00 - 10:15

Making Easier the Teaching - Learning Process of OpenSees and its use in Practice and Research

J. Pereiro-Barcel  and C. Mel ndez

[Abstract](#) | [Full Paper](#)

10:15 - 10:30

New Capabilities in Road Tunnel Operation Education

P. Danišovi , J. Šr mek and M. Hodoň

[Abstract](#) | [Full Paper](#)

10:30 - 10:45

Digital Twins in Civil and Environmental Engineering Classrooms

R. Chac n, M. S nchez-Juny, E. Real, F. Gironella, J. Puiagut and A. Ledesma

[Abstract](#) | [Full Paper](#)

09:00 - 10:45

Impact on education (Experiences): 2

FrM01P02

Room: Aula de Tesinas "Thesis Room"

Chair: Begoņa Guirao

Co-Chair: Sebasti  Olivella

9:00 - 9:15

Internationalization of Higher Education Studies - Case Studies from Polish Technical Universities

P. Berkowski and M. Kosior-Kazberuk

[Abstract](#) | [Full Paper](#)

9:15 - 9:30

Impact of Cooperation between Universities and Industry on Civil Engineering Curriculum of Study Programmes -

Experience of Polish Technical Universities

M. Kosior-Kazberuk and P. Berkowski

[Abstract](#) | [Full Paper](#)

9:30 - 9:45

The Benefits of Cooperation with Stakeholders in Implementation of Master Programme "Building Design for Sustainable Development"

I. Maltseva, V. Alekhin, V. Bianco, K. Maltceva and K. Tkachuk

[Abstract](#) | [Full Paper](#)

9:45 - 10:00

Assessment of Civil Engineering Educational System in Iran: Problems and Solutions

B. Mobaraki, J.A. Lozano-Galant, G. Ramos Schneider and J. Turmo

[Abstract](#) | [Full Paper](#)

10:00 - 10:15

Modern Learning Strategy for Teaching about Construction Management in Poland

J. G recki

[Abstract](#) | [Full Paper](#)

10:15 - 10:30

Doctoral Courses (in Geotechnical Engineering): What Has Been Changing in Italy in the Last 30 Years

D. Lo Presti, N. Squeglia, A. Pierotti, B. Cosanti, S. Stacul, I. Giusti and E. Banti

[Abstract](#) | [Full Paper](#)

10:30 - 10:45

Civil Engineering Education Program in Response to the Infrastructure Development in Recent Years in Viet Nam

T. T. Tran, T. T Bui and P. Q Nguyen

[Abstract](#) | [Full Paper](#)

10:45 - 11:15

Coffee Break

11:15 - 12:45

Methodology 3

FrM03P

Room: Auditorium "Sala d'Actes" Building C2

Chair: Juan José Jorquera-Lucerga

Co-Chair: Miquel Estrada

11:15 - 11:30

An E-Learning-Concept for Research Based Learning in Structural Dynamics

J. Beier, J. Lange and W. Kuhlmann

[Abstract](#) | [Full Paper](#)

11:30 - 11:45

Service-Learning in Civil Engineering Education: New Experience in the Field of Road Safety

B. Guirao, M. Baus-Pous and N. Casado-Sanz

[Abstract](#) | [Full Paper](#)

11:45 - 12:00

Dobooku Association Activities

G. Collell Mundet, R. Grima López and J. Pertierra Brasa

[Abstract](#) | [Full Paper](#)

12:00 - 12:15

The Relevance of Self-Formation in Teaching Structural Design

W. Klasz, S. Melville and M. Pellegrino

[Abstract](#) | [Full Paper](#)

12:15 - 12:30

The Improvement of Collaborative Project Work Using Oral Presentations: the Experience of Road Engineering Students

R. Jurado, B. Guirao and M. González

[Abstract](#) | [Full Paper](#)

12:30 - 12:45

May Be Geotechnical Engineering Learning Fun?

J. Garzón-Roca, F.J. Torrijo, G. Cobos and L. Fernández

[Abstract](#) | [Full Paper](#)

12:45 - 13:15

Closing Ceremony

Auditorium "Sala d'Actes" Building C2

13:30 - 14:30

Lunch Break

Unity

Plaça Telecom

16:30 - 19:00

Technical Visit Sagrada Família

Bus Stop

UPC CAMPUS NORD

C/De Sor Eulàlia d'Anzizu entre C/Gran Capità y C/Santa Caterina de Siena

15:10h

Saturday, September 8

10:30 - 12:30

Technical visit Espai Barça

Meeting point FCB Museum

Calle Arístides Mallol, s/n, through the main access Nr.15