



UNIVERSITÀ
DI PISA



Technische
Universität
Braunschweig



UNIVERSITÀ
DEGLI STUDI
FIRENZE

44° PLENARY MEETING INDICEE

13th November 2023, Pisa, School of Engineering Unipi

20th November 2023, Florence, School of Engineering Unifi

In cooperation with:

RUHR
UNIVERSITÄT
BOCHUM



UNIVERSITÉ DE NANTES

13 NOVEMBER 2023

Location:

Aula Pacinotti, Polo A,
Largo L. Lazzarino, 1 - Pisa

Link meet:
meet.google.com/ydn-yhet-uik

PROGRAM

09:30 WELCOME GREETINGS

10:00 **EXAMINATION GONZALO DE LEÓN**
XXXV CYCLE – COTUTELLE WITH UNIVERSITÉ DE NANTES - FRANCE
**“IMAGE-BASED, PHOTOMETRIC-STEREO AND DEEP LEARNING
SOLUTIONS FOR ROAD SURFACE CHARACTERIZATION”**
SUPERVISORS: **MASSIMO LOSA**, UNIPI, AND **JULIEN CESBRON**,
UNIVERSITÉ DE NANTES

11:30 *Private committee meeting*

11:30 PRESENTATIONS BY ENROLLED PHD STUDENTS (Session A1)

12:30 PROCLAMATION GONZALO DE LEÓN

13:00 **LUNCH BREAK**

14:00 PRESENTATION OF THE NEWLY ENROLLED PHD STUDENT (XXXIX
CYCLE)

14:30-18:00 PRESENTATIONS BY ENROLLED PHD STUDENTS (Sessions A2,
A3 and A4)

18:30 **SOCIAL APERITIF**



PROGRAM – 13 November 2023, Pisa
PRESENTATIONS BY ENROLLED PHD STUDENTS

11:30-12:30 SESSION A1 – RELIABILITY OF STRUCTURES AND INFRASTRUCTURES AGAINST
NATURAL HAZARDS ([Aula Pacinotti](#))

14:30-16:45 SESSION A2 – COMPUTATIONAL MECHANICS ([Aula Pacinotti](#))

16:45-17:00 COFFEE BREAK

17:00-17:45 SESSION A3 – ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNIQUES IN
CIVIL ENGINEERING ([Aula Pacinotti](#))

18:30 SOCIAL APERITIF

Please check the book of abstracts of our candidates [here](#)



SESSION A1

13/11/2023

H 11,30-12,30

AULA PACINOTTI

RELIABILITY OF STRUCTURES AND
INFRASTRUCTURES AGAINST
NATURAL HAZARDS

- Isabella Mazzatura (XXXVI) 15min
- Mahtab Shiravi (XXXVII) 10min
- Federica del Carlo (XXXVII) 10min
- Simone Celati (XXXVII) 10min

Chair: Dr. Filippo Landi, PhD

SESSION A2

13/11/2023

H 14,30-16,45

AULA PACINOTTI

COMPUTATIONAL MECHANICS

- Niccolò Bruschi (XXXVI) 15min
- Diego Ignesti (XXXVII) 10min
- Hamid Kazemi Moghadam (XXXVII) 10min
- Farshad Rahmani Karkevandi (XXXVIII) 5min
- Mohammed Mainul Hossain (XXXVIII) 5min

- Daman Mohsen (XXXVI) 15min
- Fengying Wu (XXXVII) 10min
- Mohammadreza Mohaseb Karimlou (XXXVII) 10min
- Nicolò Guiducci (XXXVIII) 5min

Chair: Dr. Silvia Monchetti, PhD



SESSION A3

13/11/2023

H 17,00-17,45

AULA PACINOTTI

ARTIFICIAL INTELLIGENCE AND
MACHINE LEARNING
TECHNIQUES IN CIVIL
ENGINEERING

- Lorenzo Brocchini (XXXVII) 10min
- Francesca Marafini (XXXVII) 10min
- Daniele Conte (XXXVIII) 5min
- Chenxi Wang (XXXVIII) 5min

Chair: Dr. Chiara Riccardi, PhD

20 NOVEMBER 2023

Location:

Aula 045, Via S. Marta 3,
Firenze

Link meet:

For Room 045

meet.google.com/ydn-yhet-uik

for Room 049:

meet.google.com/jft-raqw-hsh

PROGRAM

9:30 Academic Board - reserved to the members

10:30 WELCOME COFFEE

11:00 **EXAMINATION GIADA ARTINI**

XXXV CYCLE – JOINT TITLE WITH TU BRAUNSCHWEIG

“LINKAGES BETWEEN FLOW, MORPHODYNAMICS AND VEGETATION”

SUPERVISORS: **LUCA SOLARI**, UNIFI, AND **JOCHEN ABERLE**, TUB

12:30 *Private committee meeting*

12:30 **EXAMINATION ANDREA GEPETTI**

XXXV CYCLE – JOINT TITLE WITH RUHR BOCHUM

“Experimental and numerical investigations on the behaviour of tailings storage facilities under seismic loading”

SUPERVISORS: **CLAUDIA MADIAI** AND **JOHANN FACCIORUSSO**, UNIFI, AND **TORSTEN WICHTMANN**, RUB

14:00 *Private committee meeting*

14:00 LUNCH BREAK

15:00 PROCLAMATION GIADA ARTINI AND ANDREA GEPETTI

15:15-18:00 PRESENTATIONS BY ENROLLED PHD STUDENTS

18:15 SOCIAL APERITIF at “Farmacia dei Sani” Piazza Giorgini, Florence

PROGRAM – 20 November 2023, Firenze

PRESENTATIONS BY ENROLLED PHD STUDENTS

15:15-16:30 SESSION B1 – DISCOVERING PLASTICS ([Aula 045](#))

15:15-16:00 SESSION B2 – MULTI-RISK IN A CHANGING CLIMATE ([Aula 049](#))

16:10-17:00 SESSION B3 – WATER-ENERGY AND RIVER/COASTAL DYNAMICS ([Aula 049](#))

16:30-16:45 COFFEE BREAK for [Aula 045](#)


17:00-17:15 COFFEE BREAK for [Aula 049](#)

16:45-18:15 SESSION B4 – SMART TECHNOLOGIES FOR EFFICIENT BUILDINGS ([Aula 045](#))

17:15-18:15 SESSION B5 – SUSTAINABLE WASTEWATER TREATMENT ([Aula 049](#))

18:30 SOCIAL APERITIF

Please check the book of abstracts of our candidates [here](#)



SESSION B1
20/11/2023 H 15,15
AULA 045

DISCOVERING PLASTICS

- Stefano Fiaschi (XXXVII) 10 min
- Irene Cortesi (XXXVI) 15 min
- Mirco Mancini (XXXVII) 10 min
- Daniele Martuscelli (XXXVII) 10 min
- Giorgia Notari (XXXVII) 10 min
- Serena Falcioni (XXXVII) 10 min

Chairs: Dr Benedetta Pagliaccia & Dr Lorenzo Innocenti, PhD

SESSION B2
20/11/2023 H 15,15
AULA 049

MULTI-RISK IN A CHANGING CLIMATE

- Alemayehu Shanko (XXXVIII) 10 min
- Nisa Bahadiroğlu (XXXVIII) 10 min
- Tommaso Giordano (XXXVIII) 10 min
- Marco De Simone (XXXVII) 10 min
- Gabriele Bertoli (XXXVIII) 10 min


Link for these parallel sessions in Room 049: meet.google.com/jft-raqw-hsh

SESSION B3
20/11/2023 H 16,10
AULA 049

WATER-ENERGY AND
RIVER/COASTAL DYNAMICS

- Jerome El Jeitany (XXXVII) 10 min
- Zihan Liu (XXXVI) 15 min
- Ayalew Shura Kasa (XXXVIII) 10 min
- Riccardo Angelini (XXXVII) 10 min

Chairs: Dr Marco Lompi & Dr Costanza Carbonari, PhD



SESSION B4
20/11/2023 H 16,45
AULA 045

SMART TECHNOLOGIES FOR
EFFICIENT BUILDINGS

- Tommaso Sorbi (XXXVI) 15 min
- Alessandro Bruttini (XXXVI) 15 min
- Neri Banti (XXXVI) 15min
- Gerardo Arcangelo Pacillo (XXXVI) 15min
- Melissa Fabiola Yozy Kepadib (XXXVII) 10 min
- Mathias Helhe (XXXVII) 10 min
- Andrea Bongini (XXXVIII) 10 min
- Alessandro Conti (XXXVIII) 10 min

Chairs: Dr Silvia Monchetti & Dr Federico Gusella, PhD

SESSION B5
20/11/2023 H 17,15
AULA 049

SUSTAINABLE WASTEWATER
TREATMENT

- Jan Pietro Czellnik (XXXVII) 10 min
- Alex Ricoveri (XXXVII) 10 min
- Francesca Tuci(XXXVII) 10 min
- Marta di Bianca (XXXVIII) 10 min
- Stefano Dugheri (XXXVII) 10 min
- Daniele Sartirano(XXXVIII) 10 min

Chairs: Dr Benedetta Pagliaccia & Dr Lorenzo Innocenti, PhD

Link for these parallel sessions in Room 049: meet.google.com/jft-raqw-hsh