



9th INTERNATIONAL CONFERENCE ON
ENVIRONMENTAL ENGINEERING AND MANAGEMENT
Circular Economy and Environmental Sustainability
6 - 9 September 2017, Bologna, Italy

SHORT CONFERENCE PROGRAM



September 6 – 9, 2017
Bologna, ITALY



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GENERAL INFORMATION

The *International Conference on Environmental Engineering and Management (ICEEM)* was initiated and organized every 2 years, since 2002, by the **Department of Environmental Engineering and Management**, Faculty of Chemical Engineering and Environmental Protection from the “*Gheorghe Asachi*” Technical University of Iasi (TUIASI), Romania. The declared objectives of all ICEEM conference editions were to bring together international researchers, academics, professionals and students, activating in the fields of environmental engineering and management and to support knowledge exchange and dissemination of specific research and educational programmes.

“*Gheorghe Asachi*” **Technical University of Iasi (TUIASI)** is a prestigious Romanian university, classified as a *university for advanced research and education*, according to the Ministry of Education and Research Order (MECTS nr. 5262/2011) being also a relevant component of the research and development system of national interest according to ANCS Decision No. 9708/29.07.2009. TUIASI develops programs for undergraduate, master, doctoral, postdoctoral studies and scientific research in 14 research areas, out of which 10 areas were classified in the category A, according to Law 1/2011 and HG 789/2011. The doctoral activity is organized within 10 doctoral schools including 13 doctoral fields developed according to national and international research priority areas.

The 9th International Conference on Environmental Engineering and Management, *ICEEM09* which will be take place between 6th and 9th of September 2017, in Bologna, Italy. This event is organized by the Department of Environmental Engineering and Management of “*Gheorghe Asachi*” Technical University of Iasi, in collaboration with *Alma Mater Studiorum Università di Bologna, Italy* and the *Environmental Biotechnology Section of the European Federation of Biotechnology (EFB)*.

Founded in 1088, the *Alma Mater Studiorum – Università di Bologna* is known as the oldest University of the western world. Nowadays, it still remains one of the most important institutions of higher education across Europe and the second largest university in Italy with 11 Schools, 33 Departments and more than 84,000 students. *Alma Mater Studiorum Università di Bologna* is a multicampus university based in Bologna, Cesena, Forlì, Ravenna, and Rimini. According to National indicators, the University of Bologna is the most internationalised among the Italian Universities and among the first institutions in Europe for the number of bilateral agreements and EU funded educational projects.

Address and Conference Venues

ICEEM 09 will be organised at the *Alma Mater Studiorum University of Bologna, Italy*.

The **opening ceremony and welcome cocktail on September 6th** will take place in the Complesso Belmeloro - Room A, via Belmeloro 14, Bologna.

The **conference sessions from 7th to 9th September** will take place in the Complesso Terracini, Rooms TA-01, TA-02 and TA03, School of Engineering and Architecture, via Terracini 28, Bologna.

Registration and Conference Desk

The ICEEM09 registration will take place **Wednesday, 6 September from 13:30 to 15:00** in the **Complesso Belmeloro** and **Thursday, 7 September** in **Complesso Terracini**. All participants are invited to register and collect the conference materials at the conference desk.

Oral Presentations

The oral presentations program is structured in parallel sessions, which are held according to this conference program. Time allocation for plenary/keynote lectures is 30 minutes (including discussions) and for oral communications is 15 minutes (including discussions).



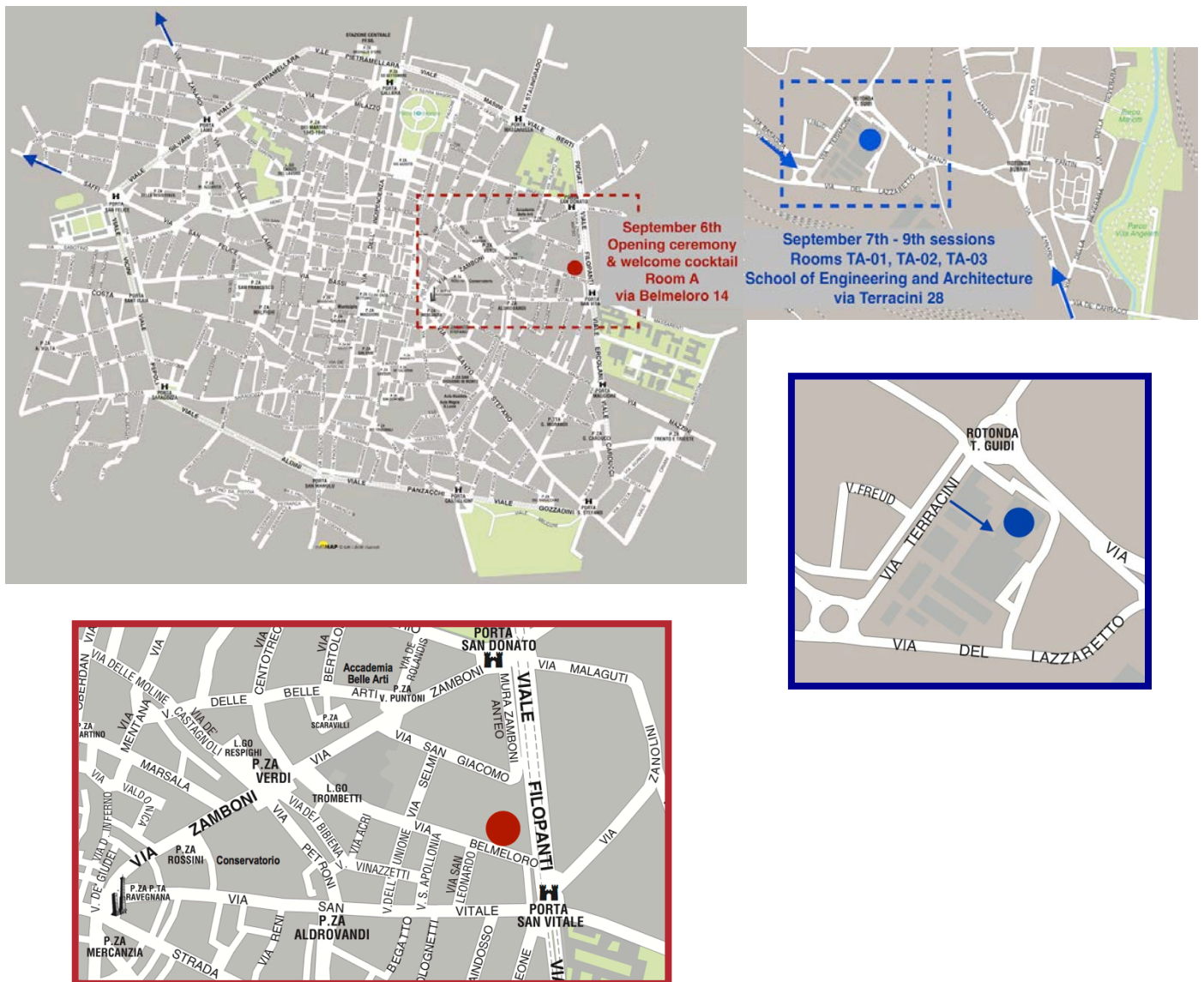
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LDC projectors and a PC (Windows, MS Office, Adobe Acrobat) will be available in the session rooms. Authors are invited to upload their presentations on the PCs of each room well in advance of the beginning of the scheduled session, in order to avoid last minute problems. Uploading will exclusively be done via USB-drives. **Overhead projectors will not be available.**

Authors are also invited to reach the session room 10 minutes before the beginning and to introduce themselves to the sessions Chairpersons.



Posters

Posters may be displayed at ICEEM09 for the duration of each poster session, as presented in this conference programme, on the panels mounted in Complesso Terracini, Rooms TA-01, TA-02 and TA-03, School of Engineering and Architecture, via Terracini 28, Bologna.



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Poster panels will be identified with the same number assigned to the poster in the Conference Program. Materials for posters display will be available at the conference desk. Posters will be mounted on and removed from the supporting panels by the authors. Mounting on will be possible with the start of the respective poster session and authors are required to dismount their posters when the session ends. **Please note that the Poster sessions coincide with lunches and coffee breaks. Posters should be removed each day, no later than 17:00 h.**

Coffee Breaks, Lunches

Coffee Breaks and Lunches are included in the conference fee. Coffee Breaks and Lunches will take place in Complesso Terracini, beside the session Rooms, School of Engineering and Architecture, via Terracini 28, Bologna.

Conference events:

Welcome Cocktail – Wednesday 6 September 2017,
17:00

Complesso Belmeloro - Room A, via Belmeloro 14,
Bologna

Gala Dinner – Thursday, 7 September 2017, 20:00

Palazzo Isolani, Corte Isolani 5, entrance from
Santo Stefano square
<http://www.isolani.it/palazzo-isolani/>

Invitations are necessary to attend the Cocktail and the Gala Conference Dinner for conference delegates as well as for the accompanying persons. Invitations will be handed to the delegates together with the ICEEM09 materials at the conference desk. Further details will be available at the conference desk.



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Wednesday, 6 September 2017

| Time | VENUE: Alma Mater Studiorum – Università di Bologna (UNIBO) Complesso Belmeloro, via Belmeloro 14, Bologna – ROOM A |
|-------------|--|
| 13:30-15:00 | Registration |
| 15:00-15:30 | Opening Ceremony |
| 15:30-16:00 | Plenary conference 1 |
| 16:00-16:30 | Plenary conference 2 |
| 16:30-17:00 | Plenary conference 3 |
| 17:00-19:00 | Welcome Cocktail |

Thursday, 7 September 2017

| Time | VENUE: Alma Mater Studiorum – Università di Bologna (UNIBO) Complesso Terracini, School of Engineering and Architecture, via Terracini 28, Bologna | | |
|-------------|---|---|--|
| 08:00-09:00 | Registration, Room TA-05 | | |
| | Complesso Terracini, Room TA-01 | Complesso Terracini, Room TA-02 | Complesso Terracini, Room TA-03 |
| 09:00-10:30 | Parallel Session 1.1 Environmental biotechnology in the circular economy <i>(with Key note lecture)</i> | Parallel Session 1.2 Monitoring and modelling of environmental pollution | Parallel Session 1.3 Sustainability assessments and eco-innovation |
| 10:30-11:00 | Coffee Break and Poster Sessions | | |
| 11:00-12:30 | Parallel Session 1.4 Sustainable waste management and exploitation for chemicals, materials and energy recovery | Parallel Session 1.5 Water and wastewater cycles: technologies, recycling and valorization <i>(with Key note lecture)</i> | Parallel Session 1.6 Sustainable waste management and exploitation for chemicals, materials and energy recovery |
| 12:30-14:00 | Lunch and Poster Sessions / EFB – EB Meeting | | |



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| Time | VENUE: Alma Mater Studiorum – Università di Bologna (UNIBO) Complesso Terracini, School of Engineering and Architecture, via Terracini 28, Bologna | | |
|-------------|---|---|---|
| | Complesso Terracini, Room TA-01 | Complesso Terracini, Room TA-02 | Complesso Terracini, Room TA-03 |
| 14:00-15:30 | Parallel Session 1.7 Water and wastewater cycles: technologies, recycling and valorization | Parallel Session 1.8 Sustainability assessments and eco-innovation | Parallel Session 1.9 Sustainable waste management and exploitation for chemicals, materials and energy recovery (with Key note lecture) |
| 15:30-16:00 | Coffee Break and Poster Sessions | | |
| 16:00-17:30 | Parallel Session 1.10 Monitoring and modelling of environmental pollution | Parallel Session 1.11 Water and wastewater cycles: technologies, recycling and valorization | Parallel Session 1.12 Sustainable waste management and exploitation for chemicals, materials and energy recovery |
| 20:00 | Gala Dinner Palazzo Isolani | | |

Friday, 8 September 2017

| Time | VENUE: Alma Mater Studiorum – Università di Bologna (UNIBO) Complesso Terracini, School of Engineering and Architecture, via Terracini 28, Bologna | | |
|-------------|---|--|---|
| | Complesso Terracini, Room TA-01 | Complesso Terracini, Room TA-02 | Complesso Terracini, Room TA-03 |
| 09:00-10:30 | Parallel Session 2.1 Sustainability assessments and eco-innovation (with Key note lecture) | Parallel Session 2.2 Environmental biotechnology in the circular economy | Parallel Session 2.3 Sustainable waste management and exploitation for chemicals, materials and energy recovery |
| 10:30-11:00 | Coffee Break and Poster Sessions | | |
| 11:00-12:30 | Parallel Session 2.4 Sustainable waste management and exploitation for chemicals, materials and energy recovery | Parallel Session 2.5 Novel materials for environmental and energy applications | Parallel Session 2.6 Monitoring and modelling of environmental pollution (with Key note lecture) |
| 12:30-14:00 | Lunch and Poster Sessions | | |



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|-----------------|--|---|---|
| Time | VENUE: Alma Mater Studiorum – Università di Bologna (UNIBO) Complesso Terracini, School of Engineering and Architecture, via Terracini 28, Bologna | | |
| | Complesso Terracini, Room TA-01 | Complesso Terracini, Room TA-02 | Complesso Terracini, Room TA-03 |
| 14:00- 15:30 | Parallel Session 2.7 Water and wastewater cycles: technologies, recycling and valorization | Parallel Session 2.8 Novel materials for environmental and energy applications <i>(with Key note lecture)</i> | Parallel Session 2.9 Monitoring and modelling of environmental pollution |
| 15:30- 16:00 | Coffee Break and Poster Sessions | | |
| 16:00- 17:30 | Parallel Session 2.10 Water and wastewater cycles: technologies, recycling and valorization | | |

Saturday, 9 September 2017

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|-----------------|--|---|------------------------------------|
| Time | VENUE: Alma Mater Studiorum – Università di Bologna (UNIBO) Complesso Terracini, School of Engineering and Architecture, via Terracini 28, Bologna | | |
| | Complesso Terracini, Room TA-01 | Complesso Terracini, Room TA-02 | Complesso Terracini, Room TA-05 |
| 09:00- 11:00 | Workshop: New Horizon2020 opportunities and successful EU projects presentations | | IAMAW Workshop |
| 11:00- 11:30 | Coffee Break | | |
| 11:30- 12:30 | Successful EU projects presentations | EIT-RM event: best PhD EIT- RM related presentations award | IAMAW Workshop |
| 12:30- 13:00 | ICEEM09 Official closing Complesso Terracini, Room TA-01 | | |