“III International Conference on Challenges in Urban Water Management Systems”

CONFERENZA SCIENTIFICA INTERNAZIONALE

Giovedì 19 novembre 2026 - dalle ore 08.30 alle ore 16:30

presso l’aula Polifunzionale del Polo Papardo dell'Università degli Studi di Messina

con il seguente programma:

SESSION 2: MANAGEMENT OF URBAN WATER SYSTEMS

8.30–9.00: Registration

Sub-session 2.1 — Modelling, Monitoring and Sustainability of Urban Water Systems

Chairperson: Alberto Campisano – Università degli Studi di Catania

9.00–9.15: Modelling of water distribution networks under pressure deficient conditions

Enrico Creaco, Carlo Giudicianni and Mariacrocetta Sambito

9.15–9.30: Testing a pressure-based method for water-consumption estimation in a post-meter setup under low resistance conditions

Stefano Alvisi, Valentina Marsili and Filippo Mazzoni

9.30–9.45: Influence of leak location and size on the decay of transient pressure oscillations in a looped pipe network

Gaia Fratta

9.45–10.00: L’importanza della conoscenza: approccio metodologico alla gestione delle reti

Davide Berbenni – AQUANEXA

10.00–10.15: Assessing maintenance needs in permeable pavements and rain gardens: integrating hydraulic performance, site characteristics and climatic variability

Anna Spandre, Carola Marella, Giovanna Grossi and Brandon Winfrey

10.15–10.30: Incidence of service connection on failure rate in water distribution networks

Cristian Cappello, Carla Tricarico, Rudy Gargano, Federico Volante and Angelo Leopardi

10.30–10.45: Il Relining: completamento della nuova rete idrica di Palermo: condotte di alimentazione primari dai serbatoi, rinnovo del piping dei serbatoi e rete di distribuzione in dx Oreto

Giovanni Barone – AKWA Engineering S.r.l.

COFFEE BREAK: 10.45 – 11.00

11.00–11.15: Assessing climate risk and planning adaptation measures for urban areas: the Genoa case study

Ilaria Gnecco, Andrea Moro, Cristina Giusso and Anna Palla

11.15–11.30: Rethinking sensors placement in sewer systems: a hybrid approach

Mariacrocetta Sambito, Carlo Giudicianni and Enrico Creaco

11.30–11.45: Dalla complessità impiantistica alla progettazione integrata in BIM: la nuova centrale di Rho - Cap Holding

Riccardo Monti – Majone & Partners

11.45–12.00: SWANP-AI: an ai-empowered platform featuring a conversational copilot for automated district metering and optimal management of water distribution networks

Armando Di Nardo, Giovanni Francesco Santonastaso, Enrico Creaco, Ludovica Palma, Michele Iervolino and Anna Di Mauro

12.00–12.15: Debate

12.15–13.00 Keylecture Note "BGI for stormwater management is infrastructure!"

João Paulo Correia Leitão - Eawag - das Wasserforschungsinstitut des ETH Zürich, Zurigo, Svizzera

LUNCH BREAK: 13.00 – 14.15

Sub-session 2.2 — Nature-Based Solutions and Innovative Infrastructures for Sustainable Urban Water Management

Chairperson: Anna Palla – Università degli Studi di Genova

14:15–14:30: Spatial planning of Nature-Based Solutions in urban areas: a comparative case study

Carola Marella, Anna Spandre and Giovanna Grossi

14.30–14.45: Hybrid infrastructures for urban stormwater management: a design concept of a rainwater harvesting and reuse system

Margherita Evangelisti, Alberto Barbaresi, Patrizia Tassinari and Marco Maglionico

14.45–15.00: MULTI s.r.l. – Tubazioni di grande diametro e sistemi integrati di regimentazione delle acque

Giulio Gentile – Multi S.r.l.

15.00–15.15: Assessing Nature-Based Solutions for Regenerative Tourism: A Comparative Framework for Climate Resilience, Visitor Experience, and Destination Competitiveness

Hana Javadi Nejad and Behrouz Pirouz

15.15–15.30: LID practices working together: A Framework for multi-scenario optimization of Green Roofs and Permeable Pavements coverage

José Javier Serrano Chano, Giuseppina Brigandì and Giuseppe Tito Aronica

15.30–15.45: From city-scale SuDS opportunity mapping to pilot design: challenges and solutions of a case study in Chișinău, Moldova

Martina Tabaro, Andrea Bernardi, Agostino Avanzi and Davide Russo – Idrostudi srl Unipersonale

15.45–16:00: Surrogate modelling of the urban drainage system: comparing experiences from Crotone and Naples

Margherita Lombardo, Giada Varra, Luca Cozzolino and Pierfranco Costabile

16.00–16.15: Debate and closure

Per la partecipazione alla Conferenza Seminario verranno riconosciuti agli iscritti all'Ordine degli Ingegneri di Messina 6 crediti formativi.

Per le iscrizioni bisogna collegarsi al seguente link:
https://csducssidays26.wordpress.com/registration/