

Sunday, August 24th, 2025,

- 17:30 - 18:30** Scientific committee meeting (Invite only from Bart Bleys)
- 18:30 - 20:00** Planning committee meeting (If you normally attend, or 2 people from each organization)

Monday, August 25th, 2025

- 8:30 - 9:00** Conference Registration / Pastries and Bites
- 9:00 - 9:10** University of Miami Host Opening Remarks: Esber Andiroglu
- 9:10 - 9:20** CIB Board Opening Remarks: Bart Bleys

9:20 - 10:25		Technical Session: Extended Abstract	Presented By
		<i>Technical Chairs: Ms. Kyrah Williams, Professor Hiroyuki Kose</i>	
(JST) 22:20	9:20	Research on the state of IRPs generated in a toilet booth (167835) <i>Y. Tanaka, A. Kimura, M Otsuka</i>	<i>Yuya Tanaka (Online)</i>
(JST) 22:25	9:25	Post-Construction Monitoring of Water Quality in a Biotope Using Regionally Native Plants in an Urban Setting (256062) <i>T. Suzuki, M. Otsuka</i>	<i>Takahiko Suzuki (Online)</i>
(JST) 22:30	9:30	Preliminary Study and Regulatory Review on Odor Environment in Toilet Spaces of Childcare Facilities (298257) <i>H. Yamaguchi</i>	<i>Haru Yamaguchi (Online)</i>
	9:35	Examination of aerosol dispersion in drainage stack system (343760) <i>K. Aizawa, A. Kimura, M. Otsuka, U. Yanagi</i>	<i>Koji Aizawa</i>
	9:40	Simulation method for multi-toilet horizontal drain branch pipe system for offices (599135) <i>R. Kikuchi, M. Otsuka, H. Shigefuji</i>	<i>Ryotaro Kikuchi</i>
	9:45	Green measures to mitigate impacts of hydrological risks (705274) <i>M. Zelenakova, P. Nagy, H. A. Elhamid</i>	<i>Martina Zelenakova</i>
	9:50	Development of a Unified System for Monitoring Water System Performance and Data Extraction (533956) <i>D. Rich, T. Roberts, E. Andiroglu</i>	<i>Tom Roberts</i>
	9:55	Smart Energy Management of Waste Heat from a Residential Building (804143) <i>Z. Vranayova, J. Smelik, D. Kaposztasova, F. Vranay</i>	<i>Zuzana Vranayova</i>
(JST) 23:05	10:00	Question and Answer for All Presenters	
10:25 - 10:45 Coffee Break!			
10:45 - 12:20		Technical Session: Water Reuse and Onsite Wastewater Treatment <i>Technical Chairs: Mr. Tom Roberts, Professor Zuzana Vranayová</i>	
	10:45	WISE: A Toolkit For Decentralized Wastewater System Selection (558304) <i>A. Perry, E. Andiroglu</i>	<i>Austin Perry</i>
	11:00	Chemical-Free Nutrient Recovery from Municipal Wastewater: Bench-to-Field Scale (200276) <i>Q. Lin, E. Andiroglu</i>	<i>Qiufeng Lin</i>
	11:15	Ecocost of recycled water (323160) <i>N. Post</i>	<i>Nick Post</i>

		San Francisco Accelerates Implementation of Onsite Water Reuse in USA	
	11:30 (338517)	T. Nokhodian, D. Cole	Dan Cole
		Research of Current Operation Survey of Building Rainwater Recycling	
	11:45 Systems (930376)	H. Shi-Feng, C. Cheng	Huang Shi-Feng
	12:00	Question and Answer for All Presenters	
12:20	12:30	University of Miami Murphy Construction Program Speech	
12:30 - 13:20	Lunch		
13:20 - 15:10	Technical Session: Water Conservation, Efficiency, and a Path to Net Zero		
		Technical Chairs: Dr. Esber Andiroglu, Dr. Matjaz Nekrep	
		Research on energy saving in common areas of Japanese apartment building	Yoshifusa
	13:20	-Survey on disposer wastewater treatment systems (177988)	Nishimura
		Y. Nishimura, T. Mitsunaga, K. Sakaue, K. Sakai	
(WEST)		Water efficiency in buildings. A Review of the Role of the Flush Cistern Over	Carla Pimentel-
18:35	13:35	Time (391381)	Rodrigues (Online)
		C. Pimentel-Rodrigues, A. Silva-Afonso, S. Sanitarios	
		Smart Buildings: Application of Water Conservation Measures in Residential	
	13:50	Multifamily (Garden-style) Construction (790654)	Kyrah Williams
		K. Williams, E. Andiroglu, M. Erkoç	
		An Evaluation Model for Water Balance in Building Landscapes under Net-	
	14:05	Zero Emission Framework (400041)	Yu Ti Kang
		Y. Kang, C. Cheng	
		Impact of Low-Flush Volume Toilets on Drainage Design: A Belgian Case	
	14:20	Study (639186)	Bart Bleys
		B. Bleys, T. Delwiche, L. Vos	
		Approaches and Verification of Net-Zero-Water Building Conversion in	
	14:35	Sustainable Office (214550)	Kosuke Osako
		K. Osako, K. Shibata, K. Tanaka, M. Otsuka	
(WEST)		14:50 Question and Answer for All Presenters	
19:55			
15:10 - 15:30	Coffee/Tea Break!		
15:30 - 17:05	Technical Session: Analysis of Drainage Components		
		Technical Chairs: Mr. Austin Perry, Dr. Cheng Li Cheng	
		Study on the Performance Evaluation and Flow Mechanism of a Vacuum	
	15:30	Drainage System with Vacuum Toilets (520340)	Shunsuke Tomioka
		S. Tomioka, T. Mitsunaga, Y. Tanaka, I. Ikeda, M. Kuratani, K. Yoshida, K. Sakaue	
		Study on simulation of building drainage systems by CFD Part 3 Verification	Tomomasa
	15:45	of pressure fluctuations in S-trap pipes (109722)	Ichikawa
		T. Ichikawa, K. Yuki, S. Iwamoto, R. Fujimoto, K. Sakaue, T. Mitsunaga	
		Study on simulation of building drainage systems by CFD , Part 4 Drainage	
	16:00	characteristics of siphonic drainage system (635274)	Kazuki Yuki
		K. Yuki, T. Ichikawa, S. Iwamoto, R. Fujimoto, K. Sakaue, T. Mitsunaga	
		Impact of various types of offsets commonly found in Drainage, Waste, and	
	16:15	Vent (DWV) systems in high-rise buildings (692975)	Steve White
		S. White, T. Hill	
		Relative comparison for testing the discharge performance of nonstandard	
	16:30	wastewater stacks (872239)	Rolf Weiss
		R. Weiss, M. Pasauon	

16:45 Question and Answer for All Presenters

17:05 - 17:15 ICC Sponsor Closing Remarks: Matt Sigler

Free Night: Explore Miami and Try the Local Restaurants (Check the Lists of our Favorites in the "Know Before you Go Document")

Tuesday, August 26th, 2025

Technical Session Day 2 - Newman Alumni Center

8:30 - 8:50 Pastries and Morning Networking

8:50 - 9:00 IAPMO Opening Remarks: Second Day

9:00 - 10:55 **Technical Session: Water Supply Demand Estimation Methods**

Technical Chairs: Dr. Chang Bang Chen, Mr. Walter van der Schee

(HKT) 21:30	9:00	Dimensionless Hunter's Curve (657646) <i>S. Buchberger, B. Josey</i>	<i>Steve Buchberger</i>
	9:15	The Development of a Network Based Stochastic Simulation to Predict Simultaneous Demand for Plumbing Components in a Premise Plumbing Distribution System (761071) <i>D. Rich, E. Andiroglu</i>	<i>Drew Rich</i>
	9:30	Tabulated Bayesian Solutions for Design Flow Rates Using Inconclusive Simultaneous Probable Maximum Flowrate Measurements (732317) <i>L. Wong, K. Mui</i>	<i>Ling Tim Wong (Online)</i>
	9:45	Application of dynamic loads calculation method based on unit water supply amount per serving in large-scale kitchen facilities (418937) <i>S. Murakawa, H. Takata, K. Sakamoto, D. Ikeda</i>	<i>Saburo Murakawa</i>
	10:00	A Review of Water Use Data Collected in Hotel Buildings to Extend the Application of the Water Demand Calculator® (231375) <i>T. Omaghomi, C. Lohr, D. Cole</i>	<i>Toju Omaghomi</i>
	10:15	Study on dynamic simulation estimating method for water supply in dormitory building (805051) <i>T. Huang, C. Cheng, S. Pan</i>	<i>Tsung-Ke Huang</i>
	10:30	Question and Answer for All Presenters	

10:55 - 11:15 Coffee/Tea Break!

11:15 - 12:35 **Technical Session: Design of Hot Water Systems**

Technical Chairs: Mr. Drew Rich, Mr. Dan Cole

11:15	The behaviour of the pump and flow in hot water circulation systems (600318) <i>W. Van der Schee</i>	<i>Walter van der Schee</i>
11:30	Design methodologies for domestic hot water circulation systems - Hardy-Cross and Product Ratio Method (121529) <i>C. Lohr</i>	<i>Christoph Lohr</i>
11:45	Development of an Optimal Hot Water Supply System Simulator Using a Dynamic Cold and Hot Water Loads Calculation Method (923402) <i>H. Takata, S. Murakawa, D. Ikeda, K. Sakamoto</i>	<i>Hiroshi Takata</i>

		Measuring Dynamic Thermal Sensation in a Residential Bathroom for Water-Efficient Showering (638620)	<i>Dadi Zhang</i>
	12:00	<i>L. Wong, D. Zhang, K. Mui</i>	
	12:15	Question and Answer for All Presenters	
12:35 - 13:25 Lunch			
	13:25 - 14:45	Technical Session: Design and Maintenance of Drainage Systems	
		<i>Technical Chairs: Dr. Helena Solo-Gabriele, Mr. Bart Bleys</i>	
(BST) 18:25	13:25	Towards an international standard for Tall building drainage design (408902)	<i>Michael Gormley (Online)</i>
		<i>M. Gormley, J. Daureeawo</i>	
	13:40	Study on the Optimization and Evaluation of Drainage System Planning in Residential Building Integrated with BIM (505535)	<i>Cheng-Li Cheng</i>
		<i>C. Chang, C. Cheng, T. Mitsunaga, Y. Tanaka, I. Ikeda, M. Kuratani, K. Yoshida, K. Sakaue</i>	
	13:55	The Control of Air Pressure within the Soil and Vent pipework of Tall Buildings (496649)	<i>Peter White</i>
		<i>P. White</i>	
	14:10	A Risk Assessment Tool for Building Drainage Systems Based on Image Recognition Artificial Intelligence (181814)	<i>Yen-Yu Lin</i>
		<i>Y. Lin</i>	
(BST) 19:30	14:25	Question and Answer for All Presenters	
14:45 - 15:05 Coffee Break			
	15:05 - 16:55	Technical Session: Built Environment Water Systems: Consumption, Quality, and Risk Management	
		<i>Technical Chairs: Dr. Qiufeng Lin, Professor Masayuki Otsuka</i>	
	15:05	Determining Influential Factors of Residential Water Consumption Using Geographically Weighted Regression (970299)	<i>Drew Rich</i>
		<i>D. Rich, E. Andiroglu, L. Montas Bravo, N. Lahiri</i>	
	15:20	Study on the Utilization of Public Bathroom in a University Student Dormitory (298839)	<i>Shunta Mori</i>
		<i>S. Mori, T. Mitsunaga, S. Okauchi, K. Kuniharu, M. Hosoi</i>	
	15:35	The impacts of velocity, pipe type, and use frequency on water quality (761355)	<i>Timothy Bartrand</i>
		<i>T. Bartrand, P. Gurian, M. Cudahy</i>	
	15:50	Survey on the systems and maintenance status of recent water features (107149)	<i>Hiroyuki Kose</i>
		<i>H. Kose</i>	
	16:05	Challenges and Solutions in Fire Water Supply Infrastructure (316090)	<i>Matjaz Nekrep Perc</i>
		<i>M. Nekrep Perc, J. Kramer Stajanko</i>	
(ACST) 5:50 AUG 27	16:20	New Insights into the Management of Emerging Microbial Risks Associated with Building Water Systems (675840)	<i>Harriet Whiley (Online)</i>
		<i>H. Whiley, C. Hayward, K. Ross, M. Brown, J. Hinds, J. Xi, R. Bentham, M. Atif Nisar, G. Best</i>	
(ACST) 6:05 AUG 27	16:35	Question and Answer for All Presenters	
16:55 - 17:05 Closing Remarks by Bart Bleys			
19:00 - 22:30 Dinner at Tap 42 Bar and Grill (For Paid Registrants Only)			

Wednesday, August 27th, 2025

Tour & Gala Days - Penthouse Riverside Wharf (For Paid Registrants Only)

Group A Schedule: RSMAS -> Bus Tour

- 8:30 - 12:45** Depart from Thesis Hotel at 8:30 AM
Wynwood and Little Havanah Cultural Tours
- 12:45 - 13:30** Lunch / Relax on the Beach
- 13:30 - 14:30** Aplysia Tour + Shark Tagging Presentation
- 14:30 - 15:30** SUSTAIN Hurricane Simulation Tour + Coral Future Tours
- 15:30 - 16:30** Return to Thesis

Group B Schedule: Bus Tour -> RSMAS

- 8:30 - 9:15** Drive to RSMAS
- 9:30 - 10:30** Aplysia Tour + Shark Tagging Presentation +
- 10:30 - 11:30** SUSTAIN Hurricane Simulation Tour + Coral Future Tours
- 11:30 - 12:30** Lunch/Relax at the Beach
- 12:30 - 12:45** Free time
- 12:45 - 16:30** Entrance into Wynwood Walls
Wynwood and Little Havanah Cultural Tours
Drop off at Thesis

All Groups

- 18:45 - 19:30** Depart for Gala Dinner at Penthouse Riverside Wharf
- 19:30 - 23:59** Happy Hour, Gala Dinner, Entertainment, and Karaoke
- 23:00** First Bus Departs back to Thesis
- 23:59** Final Bus Departs back to Thesis