UNIVERSITETI I PRISHTINËS - UNIVERSITY OF PRISTINA
FAKULTETI I INXHINIERISË SË NDËRTIMIT - CIVIL ENGINEERING FACULTY
Rr. Agim Ramadani, ndërtesa e ''Fakultetit Teknik'', 10000 Prishtinë, Republika e Kosovës
Str. Agim Ramadani, Building of Technical Faculties, 10000 Prishtinë, Republic of Kosova
Web *https://fin.uni-pr.edu/* *e- mail* *fin@uni-pr.edu*
Nr. Ref. **Prishtinë** ***Data:***

ICCE^3 2025 – Summary Report of third International Conference in Civil Engineering 2025

Introduction

The third International Conference on Civil Engineering – ICCE 2025, organized by the Faculty of Civil Engineering at the University of Prishtina and Faculty of Civil Engineering at the Polytechnic University of Tirana, took place successfully from October 15 to 18, 2025 in Prishtina. The event marked an important scientific and academic milestone in Kosovo and the region, bringing together researchers, academics, and professionals from around the world.

The ICCE 2025, provided an exceptional platform for academics, professionals, and industry leaders to exchange knowledge, showcase advancements, and foster international collaboration in the field of civil engineering.

Throughout the conference, participants were exposed to a broad spectrum of innovative research, cutting-edge technologies, and real-world engineering projects addressing today's most pressing challenges in infrastructure, sustainability, and climate resilience.

ICCE 2025 was also a hub for networking, enabling meaningful connections among experts from over 20 countries, representing academia, research institutions, and the private sector. The program featured a rich array of workshops, technical sessions, and keynote speeches, equipping attendees with practical insights and applicable skills for their academic and professional pursuits.

This flagship academic event served as a platform to foster international scientific exchange, deepen academic collaboration, and present the latest research trends in various fields of civil engineering.

Under the overarching theme in fields of Civil Engineering, ICCE 2025 gathered scholars, professionals, and researchers from over 20 countries, including the USA, Canada, United Kingdom, Germany, France, Nederland, Luxemburg, Turkey, Portugal, Poland, Switzerland, Greece, Austria, Libya, and across the Balkans. The conference offered a dynamic environment for the dissemination of high-impact research, standards policy dialogue, and engagement with challenges in modern engineering practices.

From inspiring keynote addresses to engaging collaborative sessions, ICCE 2025 offered a compelling glimpse into the future of civil engineering. Over three vibrant days in Prishtina, the conference served as a dynamic hub for innovation, knowledge exchange, and cross-border academic collaboration. With contributions from researchers, practitioners,

and institutional leaders from across the globe, ICCE 2025 reaffirmed the importance of science-driven solutions for sustainable infrastructure and resilient communities.

Purpose and Objectives

The International Conference on Civil Engineering – ICCE 2025, jointly organized by the Faculty of Civil Engineering of the University of Prishtina and the Faculty of Civil Engineering of the Polytechnic University of Tirana, was designed to serve as a premier academic and professional platform for advancing knowledge, innovation, and collaboration in the domain of civil engineering.

The central purpose of ICCE 2025 was to:

- Promote international scientific dialogue on pressing global and regional issues related to structures, earthquake, geotechnical, infrastructure, water, geodesy, nature base solution, environmental engineering, and sustainable development.
- Encourage interdisciplinary research by bringing together academics, industry professionals, researchers, and students across a wide spectrum of civil engineering fields.
- Showcase scientific contributions and advancements in both theoretical and applied civil engineering, facilitating exchange of state-of-the-art practices and research findings.
- Strengthen institutional cooperation across higher education and research institutions in the Region, Europe, and globally.
- Support the integration of sustainable and climate-resilient practices in engineering education and industry.
- Empower young researchers and early-career professionals by providing them a stage to present their work and receive feedback from international experts.

One of the primary objectives of ICCE 2025 was to provide a rigorous academic platform for researchers, faculty members, and graduate students to present high-quality, peer-reviewed scientific work across the spectrum of civil engineering disciplines. The conference prioritized; Showcasing original research in areas such as structural engineering, geotechnical engineering, water resources, environmental engineering, transportation systems, seismic resilience, construction materials, etc.; Encouraging cross-disciplinary exploration, such as combining digital technologies with traditional engineering methodologies; Establishing a tradition of scientific peer-review, transparency, and open knowledge-sharing, enabling participants to engage with both abstracts and full papers of high scientific standard; Enriching the scientific landscape of Kosovo and Albania by anchoring international-level discourse within local institutions.

A core objective of ICCE 2025 was to deepen the internationalization of research and academic exchange. The conference brought together professionals and scholars from over 20 countries, fostering; Cross-border partnerships in research, joint publications, Horizon Europe projects, and Erasmus+ mobilities; Informal networking sessions designed to promote mentorship, research alliances, and interdisciplinary dialogue; Engagement of key international keynote speakers, thought leaders, and institutional representatives to raise the profile of civil engineering in the Kosovo, Albania, Region and Europe.

The conference was carefully designed to promote both formal and informal interactions among participants from over 20 countries, including researchers, academics, industry leaders, and representatives of public institutions.

Structured networking sessions were embedded within the program to foster collaboration and knowledge exchange. These sessions enabled participants to connect with keynote speakers, institutional leaders, project coordinators, and fellow researchers, laying the groundwork for potential future partnerships, joint research proposals, and mobility exchanges under programs such as Erasmus+ and Horizon Europe.

Beyond the formal agenda, informal gatherings—such as the welcome reception, cultural evening, gala dinner, and guided tours—provided a relaxed atmosphere where participants could strengthen ties, share ideas, and engage in candid dialogue. These moments helped build trust and familiarity across disciplinary and national boundaries, reinforcing the sense of an inclusive and collaborative civil engineering community.

ICCE 2025 successfully balanced academic rigor with social connectivity, recognizing that enduring partnerships and impactful collaborations are often born through human interaction beyond the lecture hall.

ICCE 2025 aimed to bridge the gap between theory and practice, ensuring that academic discourse responds to real-world needs by; Facilitating dialogue between academic researchers, private companies, NGOs, and public authorities**;** Encouraging case studies and real project experiences to be shared alongside theoretical models and simulations; Providing sessions on innovation in construction technology, structural retrofitting, smart materials, and digital project management tools; Exploring the role of engineers as problem-solvers for complex societal challenges, including housing, infrastructure resilience, and disaster risk reduction.

A significant goal of ICCE 2025 was to invest in the next generation of engineers and scholars. The conference provided a welcoming and inclusive environment for MSc and PhD students to present their work through poster sessions, lightning talks, and moderated panels; Opportunities for skills development workshops on publishing, presenting, grant-writing, and academic ethics; Interactions with mentors, employers, and international collaborators to support career growth and research development**;** Dedicated awards and recognition for best student paper, best poster, and young researcher contribution.

ICCE 2025 directly contributed to the long-term strategic goals of its organizing institutions, including the supporting of the regional integration of universities into the European Research Area (ERA) and European Higher Education Area (EHEA) and Promoting Kosovo and Albania as destinations of academic excellence, professional development, and international collaboration in engineering sciences.

Conference Statistics

The International Conference on Civil Engineering - ICCE 2025, hosted by the Faculty of Civil Engineering, University of Prishtina (FCE-UP) in collaboration with the Faculty of Civil Engineering, Polytechnic University of Tirana (FCE-PUT), achieved notable scale and diversity in participation, contributions, and scientific outreach.

Use of the Whova Application at ICCE 2025

As part of the modernization and digital facilitation of academic events, the International Conference on Civil Engineering (ICCE 2025), held from October 15 to 18, 2025, successfully integrated the Whova Conference Management Application. The decision to implement Whova reflected our commitment to innovation, digital transformation, and enhancing participant experience — fully aligned with the strategic goals of the Faculty of Civil Engineering at the University of Prishtina.

Whova enabled seamless real-time access to:

- The full conference agenda, including keynote speeches, sessions, poster presentations, and workshops.
- Detailed profiles of over 70 speakers and 429 participants, providing visibility into their academic and professional background.
- Over 85% of registered participants installed and actively used Whova.
- Participants utilized the app to build personal agendas, receive live updates, and submit live Q&A during sessions.
- The discussion boards and community features encouraged interaction before, during, and after the event.
- Whova's "Meet-ups" and "Icebreakers" tools facilitated cross-border academic exchanges, especially valuable for international attendees.
- More than 200 connection requests and over 30 topic-based group discussions were initiated.
- All digital posters and abstracts were uploaded in-app and available for viewing.
- Attendees could comment on posters, enhancing dialogue between presenters and viewers.
- Whova provided post-conference analytics:
    - Most-viewed sessions.
    - Engagement levels by region and user type (student, professor, etc.).
- User feedback surveys sent through the app yielded a response rate of 63%, offering valuable insights for ICCE 2027 planning.
- Reduced printing costs and environmental impact due to digitized schedules and materials.
- Real-time communication (announcements, alerts) significantly improved coordination and responsiveness.
- Elevated the professionalism and visibility of ICCE 2025 at an international level.
- A small percentage of older-generation users faced initial onboarding difficulties.
- Future iterations could include more training/tutorials ahead of the event, particularly in local languages.

The use of Whova in ICCE 2025 demonstrated a successful digital transformation in academic conference management, delivering exceptional organizational, networking, and educational value. This experience sets a strong precedent for future academic events at the Faculty of Civil Engineering and at UP at large.

The statistics of the third ICCE 2025, based on registration, statistics from the application.

- Total Registered Participants: 429

- Countries Represented: 21, Including USA, Canada, Great Britain, Germany, Turkey, Portugal, Poland, Switzerland, Austria, Greece, Libia, Luxembourg, the Netherlands, North Macedonia, and others.
- Institutions Represented: 50
- Academic & Industry Speakers: 20
- Submitted Abstracts: 115
- Accepted Abstracts: 102
- Abstracts of Keynote speakers 17
- Full Papers Presented: 44
- Poster Presentations: 28
- Thematic Sessions: 17
- Workshops / Panels: 1
- Total of 17 keynote speakers, including internationally renowned scholars and engineers from: USA, Canada, United Kingdom, Germany, France, Nederland, Luxemburg, Turkey, Portugal, Poland, Switzerland, Greece, Austria, Libia, and across the Balkans.
- ISBN-coded abstract book prepared and distributed digitally and in print.
- Proceedings Volume: All accepted full papers are being compiled for publication in the ICCE 2025 Proceedings (with peer-reviewed status).
- Roundtables & B2B Meetings: 2
- Social Events & Cultural Programs: 4 (Welcome Reception, Gala Dinner, Guided Walking Tour of Prishtina, and ICCE Cultural Evening)
- Up to 4 new Memoranda of Understanding (MoUs) initiated between participating universities.

Tab. 1. List of Keynote Lectures part of ICCE 2025

Keynote Lecturer			
No	**Author/s**	**Title of the paper**	**Affiliation**
1	 Jason Harris	Nuclear Safety, Security, and Safeguards Design Considerations for New Advanced and Small Modular Reactors	Radiological Health Sciences in the School of Health Sciences and Director of the Center for Radiological and Nuclear Security (CRANS) at Purdue University, USA
2	 José António Silva Carvalho Campos Matos	Novel approaches towards sustainable management of existing civil infrastructures	Assistant Professor with Habilitation at University of Minho (UMINHO), Portugal.

3	 Theodore S. Karacostas	Mitigating the Impact of Climate Change on Drought: The Potentiality of a Precipitation Enhancement Project.	Department of Meteorology and Climatology, School of Geology, Faculty of Sciences, Aristotle University of Thessaloniki, GREECE
4	 Vlado Spiridonov	Step Forward Toward Smarter Severe Weather Forecasting and Alert Systems	Meteorology and Atmospheric Physics, Institute of Physics, PMF at the University of St. Cyril and Methodius" in Skopje, North Macedonia
5	 Günter Langergraber	The role of treatment wetlands in rural wastewater management	Institute of Sanitary Engineering and Water Pollution Control at the University of Natural Resources and Life Sciences Vienna (BOKU University) in Austria
6	 Bujar Morava	The role of supplemental damping systems in optimizing the serviceability performance of tall buildings	Senior Technical Director -Applied Structural Dynamics Principal RWDI / Motioneering, Guelph, Ontario CANADA

7	 Klaus Holschemacher	Automated Production of Precast Carbon-reinforced Concrete Elements	Civil Engineering at the Technical University of Leipzig (TH Leipzig), Germany
8	 Alexandros Stefanakis	Constructed wetlands for circular wastewater management: International examples and case studies	School of Chemical and Environmental Engineering, Technical University of Crete, Greece
9	 Georg Gartner	The Relevance of Cartography and the Impact of Artificial Intelligence	Department of Geodesy and Geoinformation University of Technology, Vienna, Austria
10	 Dashnor Hoxha	Design of underground workouts in thermo-hydro-mechanical coupling conditions	Polytechnic School of Orléans and a member of the Laboratory of Mechanics “Gabriel Lamé”, University of Orléans, France

11	 Krzysztof Jóźwiakowski	30 Years of Experience in Research and Implementation of Constructed Wetland Wastewater Treatment Plants	University of Life Sciences in Lublin (Poland), Department of Environmental Engineering
12	 Iman Hajirsouliha	Performance-Based Optimisation of Cold-Formed Steel Strap-Braced Wall Systems in Seismic Regions	Chair in Structural Engineering Academic Line Manager of Structures The University of Sheffield School of Mechanical, Aerospace and Civil Engineering, UK
13	 Klaudia Anna Borowiak	Rare Earth Elements in the city and their relation to landscape features	Dean of Faculty of Life Science, University in Poznan, Poland
14	 Hakim S. Abdelgader	Self-compacting grout and concrete. How is it produced and why it is needed	Department of Civil Engineering Faculty of Engineering University of Tripoli, Libya

15	 Prof. Alper Ilki	Seismic Vulnerability of RC Residential Buildings: An Empirical Fragility Perspective Informed by the 2023 Earthquake Sequence in Türkiye	Istanbul Technical University Civil Engineering Faculty Structural and Earthquake Engineering Istanbul, Turkey
16	 Abdulkadir Cuneyt Aydin	Energy Harvesting from Earthquakes and Its Impact on Earthquake Isolation Systems and Sustainable Power Sources	Atatürk Üniversitesi, Mühendislik Fakültesi, İnşaat Müh. Bolumu, 25030 Erzurum, Turkey
17	 Prof. Mehmet Salih Bayraktutan	Telceker-Uzengili Mud Flow; Seismically triggered landslide and earthquake hazard-structural destruction of Uzengili Village, Dogubayazit-Agri, East Turkiye	GWB- Geoscientists Without Borders. Ata.Univ. Erzurum, Turkey

Tab. 2. List of Submitted and accepted abstracts

No	Author/s	Title of the paper	Email
1	Florim Grajcevci, Armend Mujaj, Valon Veseli, Dren Tahiri	Geometric Shear Wall Changes during construction on the Highrise Buildings	florim.grajcevci@uni-pr.edu
2	Venera Hajdari Llapashtica, Laura Kusari, Lavdim Osmanaj	Sustainable Flood Protection of the Toplluha River: Integrating Bank Reinforcements and Nature-Based Solutions	venera.hajdari@uni-pr.edu
3	Vlerë Krasniqi	Sustainable Water Resource Management in Kosovo: Trends, Challenges, and Future Strategies	vlere.krasniqi@uni-pr.edu
4	Anita Gjukaj, Ali Muriqi, Petar Cvetanovski	Experimental and numerical behavior of extended end-plate bolted connections subjected to monotonic loading	anita.gjukaj@uni-pr.edu
5	Erjon Çobani, Izet Mehmetaj	Design of Transfer Structures: Lessons Learned from Implemented Projects	erjon_cobani@universitetipolis.edu.al
6	Yllka Binaku, Esat Gashi	Relation between construction scheduling and cash flow in the construction of infrastructure projects	yllkabinaku@hotmail.com
7	Ramadan Duraku, Guxim	Forecasting Transport Demand: A Predictive Modeling	ramadan.duraku@uni-pr.edu

	Rrudhani, Ermal Sylejmani	Approach for Fushë Kosova's Future Mobility	
8	Fidan Salihu, Fatos Pllana, Meri Cvetkovksa, Liron Morina, Gëzime Salihu	Fire Resistance of Continuous Two Span Reinforced Concrete Slabs	fidan.salihu@uni-pr.edu
9	Ylli Murati, Enes Krasniqi, Milot Muhaxheri, Naser Kabashi, Florim Grajçevci	The Impact of Confined Masonry Infill On The Seismic Performance of Rc Frame Structures	ylli.murati@uni-pr.edu
10	Valentina Slavevska, Stamenković Jelena, Hinić Jordanovska, Halil Ibrahimi, Lavdim Osmanaj, Burim Seferi	Small hydropower projects: sustainable energy or biodiversity risk?	vale@pmf.ukim.mk
11	Aroma Sylhasi, Besim Ajvazi	Comparative analysis between the land consolidation guide and current legislation in Kosovo	aroma.sylhasi@student.uni-pr.edu
12	Borana Kulolli, Abir Gallala, Valerija Ajkoviq	Enhancing Dike Resilience: Reinforcement techniques and advanced monitoring systems for Climate Change Adaptation	Borana.Kullolli@arcelormittal.com
13	Otjela Lubonja, Igli Kondi, Driton Kryeziu	Comparative analysis of housing design standards in Albania, Kosovo and the EU countries	otjela.lubonja@uet.edu.al
14	Florim Grajcevci, Armend Mujaj, Valon Veseli, Dren Tahiri	Geometric Shear Wall Changes during construction on the Highrise Buildings	dren.tahiri1@student.uni-pr.edu
15	Liron Morina, Rina Peja	Integrating Interpretable Machine Learning and Adaptive Sampling for Nonlinear Dynamic System Modeling	liron.morina@uni-pr.edu
16	Adrian Kadiri, Mario Bačić, Kemal Edip	Evaluating Differences in Predicted Settlements: A Comparative Analysis of Soil-Structure Interaction Models	adrian.kadiri@uni-pr.edu
17	Hajdar Sadiku, Fidan Salihu, Milot Muhaxheri, Durim Sadiku	Rheological Characteristics of Hybrid Steel- Synthetic Fibers Reinforced Concrete Beams	fidan.salihu@uni-pr.edu
18	Fatos Tahiri, F. Grajçevci, Sh. Makolli	ULPIANA NEIGHBORHOOD CASE STUDY: URBAN SEISMIC RISK ASSESSMENT	fatos@premium-eng.com
19	Fatos Tahiri, F. Grajçevci, Sh. Makolli	Use of Nonlinear Static And Dynamic Analysis In Evaluating Structural Performance	fatos@premium-eng.com
20	Borana Kulolli, Pablo Cuellar, Matthias Baessler	Optimizing Soil-Structure Interaction for Offshore Wind Turbines: Experimental Insights and Numerical Modeling	Borana.Kullolli@arcelormittal.com
21	Festina Sadiku	Using GIS Applications to Create a 3D Model for a Selected Prishtina Municipality Area	festina.sadiku@uni-pr.edu
22	Festina Sadiku	Communicating the spatialization of textual descriptions of landscape changes using the storytelling approach in a 3D environment	festina.sadiku@uni-pr.edu
23	Arion Baqaj, Valbon Bytyqi	Watershed prioritization of Lumbardhi i Deçanit river basin, based on morphometric parameters and land use/land cover change	arionbaqaj@hotmail.co.uk
24	Laurent Hakaj, Ilir Canaj, Labeat Misini	Seismic Performance and Structural Integrity Evaluation of an Existing Building	laurent.hakaj123@gmail.com
25	Isak Idrizi	Using ‘DASISedu’ program for seismic response history analysis of 2D frame structures with different seismic protection systems	isak.idrizi@unt.edu.mk
26	Maliq Pireci, Besim Veselaj, Afrim Berisha, Isa Elshani	Greenhouse gas emissions in Municipality Rahovec and necessary measures to achieve Net Zero emissions by 2050	maliq.pireci@hotmail.com
27	Naser Kabashi, Fjolla Trepça, Leonit Totaj, Vesa Ademaj	Local scour around bridge piers –case study ura e zogut	leonit.totaj@student.uni-pr.edu
28	Arlinda Cakaj, Marta Lisiak-Zielińska, Kinga Drzewiecka, Anna Budka, Klaudia Borowiak, Maria Drapikowska, Arbnore Cakaj	Impact of Urban Land Use on Atmospheric Microplastic Deposition in Pristina, Kosovo	cakajarlinda@gmail.com
29	Florim Grajçevci , Valon Veseli, Labeat Misini, Ilir Canaj	Structural behavior of masonry-infilled RC frames under axial and lateral loading	valon.veseli@uni-pr.edu
30	Syle Berisha, Valon Veseli, Guxim Rrudhani, Shkumbin Makolli	Artificial intelligence (AI) in civil engineering – A case study on perception and application	valon.veseli@uni-pr.edu
31	Premton Thaqi, Drilon Begaj, Figene Ahmedi	Assessment of Rainfall Contribution to the Water Level Changes of Mirusha Lake	premton.thaqi@uni-pr.edu

32	Labeat Misini, Florim Grajçevci, Ilir Canaj, Valon Veseli	A targeted seismic upgrading method for precast roof beam–column connections using adaptable seismic safety key devices	labeat.misini@uni-pr.edu
33	Hana Shehu Agani, Lavdim Osmanaj	Hydrological and Morphological Assessment of the Desivojcë Dam Site: A Case Study from Eastern Kosovo	hana.shehu@uni-pr.edu
34	Zijadin Guri, Ilir Canaj	Nonlinear Dynamic Analysis of RC Bridges with Steel and GFRP-Reinforced Piers Calibrated Using Experimental Results	zijadin.guri@uni-pr.edu
35	Ilir Canaj, Kristina Milkova, Elena Dumova	Probabilistic Seismic Vulnerability Assessment Using Fragility Functions and Maximum Likelihood Estimation	ilir.canaj@uni-pr.edu
36	Ilir Canaj, Zijadin Guri, Labeat Misini, Valon Veseli	Seismic Analysis of Infilled RC Frames with Irregular Wall Distribution Using Macro-Modeling Techniques	ilir.canaj@uni-pr.edu
37	Armend Mujaj, Florim Grajçevci, Zijadin Guri, Elfrida Shehu, Driton Kryeziu	Experimental and Numerical Performance Analysis of Steel Scaffolding Systems with Height of 300cm	armend.mujaj@uni-pr.edu
38	Tomasz Garbowski, Anna Szymczak-Graczyk, Zijadin Guri, Ilir Canaj	Analytical Computation of the Shear Correction Factor in Layered and Heterogeneous Sections	tomasz.garbowski@up.poznan.pl
39	Anna Szymczak-Graczyk, Tomasz Garbowski, Florim Grajçevci , Hajdar Sadiku	Static analysis of a tilted sinking well in the context of safe operation	tomasz.garbowski@up.poznan.pl
40	Ibrahim Ajupi, Toni Arangelovski, Zijadin Guri, Ilir Canaj	Flexural Behavior of Reinforced Concrete Beams Retrofitted with Fiber- Reinforced Polymer (FRP)	ibrahimajupi@gmail.com
41	Alush Shala, Jelena Bleiziffer, Florim Grajçevci	Anchorage Techniques for Vertical Structural Continuities and the Impact of Defects on Joint Performance	alushala@gmail.com
42	Alban Hysomemaj, Ornela Şen	Design of RC structures with Torsion Dominant Vibration Mode using Displacement Based Design	ornela_sen@universitetipolis.edu.al
43	Magdalena Gajewska, Katarzyna Kołecka, Magda Kasprzyk, Grażyna Gałęzowska, Alicja Kupczyk	APPLICATION OF NATURE-BASED SOLUTIONS IN URBAN ENVIRONMENT, CASE STUDIES	mgaj@pg.edu.pl
44	Trajche ZAFIROV, Viktor HRISTOVSKI, Florim GRAJÇEVCI, Labeat MISINI	SEISMIC PERFORMANCE AND BEHAVIOR FACTOR EVALUATION OF DIFFERENT TYPES OF VERTICAL EXTENSIONS ON RC STRUCTURES	labeat.misini@uni-pr.edu
45	Almedina Rapuca	Photogrammetric Documentation and 3D Modeling of the "Goddess on the Throne" Using Low-Cost Techniques	almedina.rapuca@uni-pr.edu
46	Bashkim Idrizi	Length Differences between Topography, Geoid, Ellipsoid and Map Projection at KosovaRef01 plan coordinate referent system	bashkim.idrizi@uni-pr.edu
47	Tomasz Tymiński, Tomasz Kałuża	Determination of the flow resistance force for flexible floodplain vegetation	tomasz.tyminski@upwr.edu.pl
48	Tomasz Tymiński	Hydraulic research of water damming by flow through floodplain vegetation	tomasz.tyminski@upwr.edu.pl
49	Tomasz Tymiński	Laboratory studies on the sedimentation of river debris in a fish ladder	tomasz.tyminski@upwr.edu.pl
50	Guxim Rrudhani, Josif Josifovski, Armend Mujaj, Fidan Salihu	Pile analysis as geothermally active structural elements	guxim.rrudhani@uni-pr.edu
51	Cene Krasniqi, Markel Baballëku, Enes Krasniqi, Milot Muhaxheri, Ylli Murati	(Experimental and Numerical Study on the Structural Behavior of Various RC Slab Systems)	cene.krasniqi@uni-pr.edu
52	Karolina Jóźwiakowska, Krzysztof Jóźwiakowski	Greener Drying: constructed wetland beds for sustainable sewage sludge dewatering	karolina.jozwiakowska@up.lublin.pl
53	Arton D. Dautaj, Markel Baballeku, Ali Sh. Muriqi	Simplified numerical method validated by experimental test for vertically hollow clay block in reinforced concrete frame under seismic loading	arton.dautaj@uni-pr.edu
54	Alfred Lako, Mikael Lako	Fundamental Principles of Biogas Product	alfredlako@yahoo.com
55	Alfred Lako, Mikael Lako	Landfill Gas Generation and Emission Models Model Options for Recovery System Design and Greenhouse Gas Inventories	alfredlako@yahoo.com
56	Kuenda Laze	A descriptive analysis of plant, shrub and tree species identified on land and coastland, Southeastern Europe	kuenda.laze@fin.edu.al

57	Enkeleda Sopaj	Assessing Air Quality and Environmental Management in Civil Engineering Projects: A Case Study of the Durres–Prishtina Railway Infrastructure.	sopaj.enkeleda@gmail.com
58	Elvis Capo, Igli Kondi, Feti Selmani	The calculation of reinforced concrete elements under the action of shear force, according to Eurocodes and US code ACI 318	capo.elvi@gmail.com
59	Blerina Beqaj, Era Fusha	Exploring Hydrokinetic Power: Opportunities for Albania's Energy Transition	era.fusha@fin.edu.al
60	Pietro BELBA, Jorgaq THANAS	The application of remote sensing techniques to identify land subsidence in Albania	pietro.belba@fgjm.edu.al
61	Nikolla Nika, Erdal Emre Çeçen	Adaptive Reuse of Industrial Buildings: Structural Assessment and Rehabilitation	ececen@umt.edu.al
62	Jera Xhelilaj, Dr. Entela Çobani, Brisilda Rezvani, Xhuana Skura	Sustainability of Oxygenation Technologies Integrated into Drip Irrigation Systems Case study: South-eastern Spain and South Western Albania	jeraaa.xh@gmail.com
63	Erdal Emre Çeçen, Ergys Çaushi	Comparative Evaluation of Stone Column Performances in Soil Improvement	ececen@umt.edu.al
64	Kevin PEPPO, Arduen KARAGJOZI, Xhemi JAUPAJ (VELÇANI)	Assessment of Hydromorphological Elements in the Ishëm, Erzen, and Mat River Basins	peppokevin@gmail.com
65	Xhemi JAUPAJ (VELÇANI)	Water Resources Management in the Ishem, Erzen and Mat River Basins	xhvelcani@gmail.com
66	Endri Duro, Filippo Forlani	Reliability Analysis of the Axial Bearing Capacity of pile foundations using Monte Carlo simulation	endriduro@gmail.com
67	Entela ÇOBANI, Sindi Alliu	Motile algae motility and their environmental application	sindi.alliu@fin.edu.al
68	Esmeralda HALO, Aurel NURO, Eng. Enkelejda GJINALI	Levels of Priority Substances in the Port Area Of Porto-Romano	esmeraldahalo647@gmail.com
69	Oltion Fejzollari, Igli Kondi, Julian Kasharaj	Comparative Analysis of Soil Liquefaction Potential in the Kune Vain Area (Lezhë)	fejzollari24@gmail.com
70	Erta Kushta	Application of Geodetic Technologies in the preservation of Butrint Archeologic Site	ertakushta23@gmail.com
71	Teida Shehi, Enkelejda Gjinali, Kristjana Omeri	A view of carbon market policies and implementation practices and assessment of opportunities for alignment in the Albanian context	teida.shehi@gmail.com
72	Iralda Xhaferaj	Heavy- duty pavements design methodologies for port, airports and highways	iralda.xhaferaj@fin.edu.al
73	Mirel MIÇO	The impact of (humidex) on the calculation of cooling degree days	mmico818@hotmail.com
74	Aleks Dani, Kelti Bebeçi	The use of GIS technologies for urban development: building a digital map of the city of Kamza	aleks.dani@fin.edu.al
75	Ervin Stena, Anduel Alla	Development of a WebGIS platform for public access to NSDI and property data management	anduel.alla@fin.edu.al
76	Ervin Stena	Spatial analysis of the dynamics of the Vjosa river	ervin.stena@fin.edu.al
77	Oltion Marko, Joana Gjipalaj	Analysis of Multi-Criteria Evaluation Method of Landfill Site Selection in Dibra Region, Albania	oltion.marko@fin.edu.al
78	Orgest Shehi, Oltion Marko, Joana Gjipalaj	Application of 'Digital Twin' Technology in Wastewater Treatment: Enhancing Efficiency and Sustainability	orgest.shehi@fin.edu.al
79	Sandër KOVAÇI, Eng. Migen DUKA, Luan Arapi, Dr.Monika HOXHAJ	Assessment of oil pollution in surface and groundwater through Geostatistical Methods, the case of Gjanica River basin in Fier.	dukamigen@gmail.com
80	Bajame Zdrava, Elita Ferati	Hydromorphological and Hydrological Analysis of the Osum Basin in Albania	bajamezdrava@hotmail.com
81	Izet Mehmetaj, Diana Bardhi	Cost-Benefit Analysis of Seismic Retrofitting for Mid-Rise Buildings in Albania and the Balkan Region	dbardhi@umt.edu.al
82	Anjeza Dulaj (Gjini), Dr.Drilona Disha, Msc.Xhuliana Gjojdeshi	Analysis on the financial effects in the field of construction, of the implementation of the technical pricing manual in Albania and comparison with the methodology used in Kosovo.	drilonadisha@yahoo.com
83	Mentor Balilaj, Xhevahir Aliu, Gridi Pergjergji	Evaluation of Seismic Vulnerability Assessment for a Masonry Structure	mbalilaj2002@yahoo.it
84	Xhevahir Aliu, Mentor Balili, Gridi Pergjergji.	Evaluation of the Seismic Response of Masonry Structure	xhevahir_aliu@yahoo.it

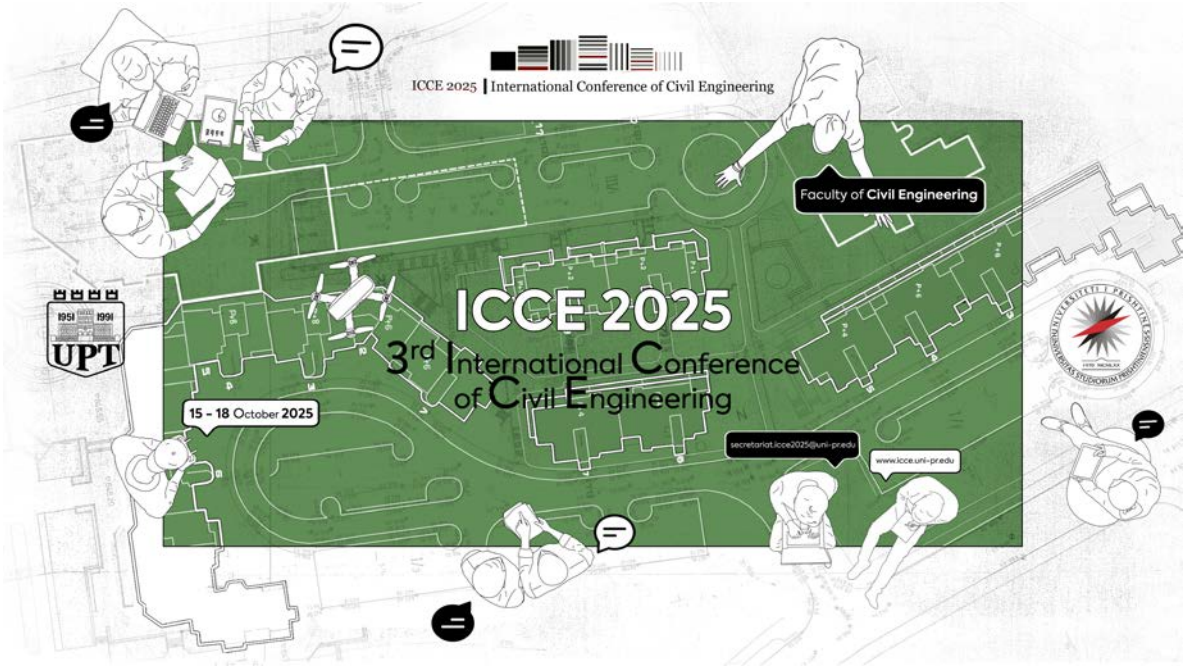
85	Entela Çobani , Xhuana Xhika , Denisa Selimi	An Overview of Water Footprint Assessment of Olive Oil Production	xhikaxhuana03@gmail.com
86	Irsa Karaj, Klaidi Nika	Analysis of Lateral Loading on Pile Groups	irsa.karaj1@gmail.com
87	Drilona Disha (Karaj), Anjeza Dulaj (Gjini)	A comparison study between beams reinforced with convencional steel and cfrp bars	drilonadisha@yahoo.com
88	Neritan Shkodrani, Marin Malotaj, Irsa Karaj	Evaluation of Pile Bearing Capacity Based on In-Situ Data from CPTu and SPT	irsa.karaj1@gmail.com
89	Neritan Shkodrani, Fjona Ferati, Besmira Bushaj	Theoretical Application of Wick Drains: A Case Study from Durrës	fjona.ferati@gmail.com
90	Alketa Ndoj, Neritan Shkodrani, Shpresa Gashi	Parametric Study for Mechanically Stabilized Earth (MSE) wall	alketandoj@yahoo.com
91	Santino Spahiu, Enkelejda Gjinali	Discharge Rating Curve Estimation for Drini i Bardhë River using a Bayesian Hierarchical Model	santinospahiu@gmail.com
92	Shpresa Gashi, Neritan SHkodrani, Alketa Ndoj	Analytical and Numerical Estimation of Pile Capacity in Soft Soils: A Comparative Study Using Classical Methods and Plaxis	sgashi15@yahoo.com
93	Kristjana OMERI, Teida SHEHI	End-of-Life Photovoltaic Panels in Coastal Albania: A Case Study on Circular Economy Potential in Dhërmi	kristjanaomeri@gmail.com
94	Konalsi GJOKA, Aida Lahi, Kleant SEMEMA	Environmental Sustainability Through Circular Economy - Bridging Academia, Businesses and Government.	konalsigjoka@upt.al
95	Nikolla Nika	Guardrails as fundamental elements of road infrastructure	nikollanika@gmail.com
96	Raimonda Dervishi, Arian Lako, Agbata Benedict Celestine, Marin Malotaj	Challenges in the Transportation Sector in Albania During the Last Decade and Future Remediations	raimondadervishi@yahoo.com
97	M.Hysenlliu, A.Bidaj ,	Strengthening of Earthquake-Damaged Masonry Buildings with Beam-Column Frame Interventions.	mariohysenlliu@yahoo.com
98	Miriam Ndini, Miranda Deda, Liljana Lata	Climate Variability and Its Impact on Flood Risk in the Vjosa River Basin: An Analysis of Precipitation Trends and Vulnerability	mndini@epoka.edu.al
99	Valon Marku, Arben Dervishaj, Bledar Kalemi	Influence of ductility class on seismic performance and construction costs of reinforced concrete structures.	bledar_kalemi@yahoo.com
100	Igli Kondi, Elvis Capo, Driton Kryeziu	The calculation of reinforced concrete elements under the action of bending moment, according to Eurocodes and US code ACI 318	i.kondi13@gmail.com; igli.kondi@fin.edu.al
101	Dhurata Premti, Irakli Premti, Altina Tjegulla, Marisa Koci	Modelling and experimental evaluation of adhesion Strength in cement-based tile adhesives	dhurata.premti@fshn.edu.al
102	Enkeleda Kokona, Helidon Kokona, Ergys Caushi	A Sustainable Model for Heritage Property: Revitalizing a house in Berat Castle	enkeleda.kokona@fin.edu.al

Digital Presence and Communication Tools

The ICCE 2025 conference was supported by a dedicated official website https://icce.uni-pr.edu/, designed to provide participants with all essential information in a clear and accessible format. The platform served as the main communication channel for conference announcements, registration, program updates, and keynote information, ensuring timely coordination among participants and partners.

A professionally designed conference banner and visual identity were created to promote the event across digital and print media, contributing to consistent branding and visibility. In addition, several informational tools and digital materials—including electronic invitations, posters, and online guides—were developed to facilitate navigation, orientation, and participation throughout the conference days.

These communication and visibility measures greatly enhanced the overall organization of ICCE 2025, supporting effective outreach, participant engagement, and international recognition of the event.



Institutional Support and Partners

The International Conference on Civil Engineering (ICCE 2025), held in Prishtina, Kosovo, is organized by the Faculty of Civil Engineering, University of Pristina and Polytechnic University of Tirana, with the strong institutional support of national and international academic and professional partners.

ICCE 2025 is supported and donated by subjects of:

SKAT Consulting Ltd. – Sustainable Infrastructure and Water Management

Among the distinguished partners, **SKAT** Consulting Ltd. (Switzerland) holds a prominent role as a key institutional supporter of ICCE 2025. Through its long-standing experience in infrastructure development, Integrated water resource management, climate adaptation, and capacity building, SKAT has significantly contributed to strengthening professional standards and promoting sustainable engineering practices in Kosovo and the wider region.

The collaboration with SKAT Consulting reflects the shared commitment to bridging academic research and practical implementation, supporting knowledge transfer, and empowering local institutions and engineers to design and manage resilient infrastructure systems.

Vision Plus is a professional engineering company specializing in structural and architectural design, supervision, and consultancy services in the field of civil engineering and construction. With a team of experienced engineers and designers, the company

provides high-quality technical solutions that combine innovation, precision, and sustainability.

Vision Plus offers a wide range of services, including structural design of reinforced concrete and steel buildings, infrastructure projects, geotechnical solutions, and project management. The company is recognized for its commitment to engineering excellence, adherence to international standards, and application of modern design technologies.

As a valued institutional partner of ICCE 2025, Vision Plus contributes to strengthening the link between academia and the engineering industry, supporting the advancement of practical knowledge, professional development, and the implementation of sustainable construction practices.

Euroing – Engineering, Design, and Construction Services

Euroing is a well-established engineering and construction company that provides comprehensive services in the fields of structural design, civil engineering consultancy, project management, and construction supervision. The company's multidisciplinary team of engineers and architects delivers high-quality, sustainable, and efficient technical solutions for both public and private infrastructure projects.

With a strong record of professional excellence, Euroing is recognized for its contribution to modern design practices, innovative construction technologies, and adherence to international engineering standards. Its projects reflect a clear commitment to safety, functionality, and sustainable development.

As an institutional partner of ICCE 2025, Euroing plays an important role in bridging the gap between academia and professional practice, promoting collaboration in research, innovation, and engineering excellence across the region.

Ibër Lepenci – Water Management and Infrastructure Enterprise

Ibër Lepenci is a public enterprise responsible for the management, operation, and maintenance of the regional water supply and hydraulic infrastructure system in central and western Kosovo. The company plays a key role in ensuring sustainable water resources management, serving both municipal and industrial sectors, including energy production, agriculture, and urban development.

Through continuous modernization and investment in hydraulic and environmental infrastructure, Ibër Lepenci contributes to improving water security, resilience, and sustainable development in the region. The enterprise cooperates closely with national and international partners to promote the efficient use of natural resources and the integration of modern engineering and environmental standards.

As an institutional supporter of ICCE 2025, Ibër Lepenci provides valuable insight and expertise in water engineering, resource management, and sustainable infrastructure development, strengthening the link between practice, research, and education in civil and environmental engineering.

Proing – Civil Engineering and Technical Consulting Services

Proing is a professional company specializing in engineering design, supervision, and consulting services in the field of civil and structural engineering. With extensive experience in infrastructure and construction projects, Proing provides comprehensive solutions covering structural design, project management, geotechnical studies, and construction supervision, ensuring compliance with national and international standards.

The company is known for its technical excellence, reliability, and commitment to sustainable engineering practices, offering innovative approaches that integrate functionality, safety, and efficiency in every project.

As an institutional partner of ICCE 2025, Proing supports the advancement of engineering knowledge and contributes to strengthening the collaboration between academia and the construction industry, promoting professional growth and the implementation of modern, sustainable design principles.

ICCE 2025 is proudly supported by:

- **Institute of Faculty of Civil Engineering – IFCE, UP**
- **Gdańsk University of Technology, Poland**
- **University of Life Sciences in Lublin, Poland**
- **Poznan University of Technology, Poland**
- **Ss. Cyril and Methodius University in Skopje, Faculty of Civil Engineering (FCE UKIM)**
- **Institute of Earthquake Engineering and Engineering Seismology (IZIIS), Skopje**

These partnerships reflect the conference's strong international character and its commitment to fostering collaboration across universities, research institutes, and professional organizations in Europe and beyond.

Through the collective support of these institutions, **ICCE 2025** continues to serve as a platform for advancing scientific dialogue, promoting sustainable engineering practices, and encouraging the exchange of knowledge and innovation in the field of civil and structural engineering.

Activities During the Conference

Summary of the International Conference on Civil Engineering (ICCE 2025)

Dates: October 15–18, 2025

Venue: Faculty of Civil Engineering, University of Pristina, Kosovo

The 3rd International Conference on Civil Engineering (ICCE 2025) brought together leading academics, researchers, professionals, and students from more than 20 countries, under the theme of innovation, sustainability, and resilience in civil engineering. Over three days of sessions, keynote lectures, and technical discussions, the conference provided a dynamic platform for the exchange of knowledge and experiences across all fields of civil and environmental engineering.

Day 1 – October 15, 2025: Welcoming and Keynote Lectures

The conference began at the Faculty of Civil Engineering, University of Pristina, with registration and the Welcome Remarks delivered by Prof. Florim Grajçevci and Prof. Neritan Shkodrani.

The afternoon featured four high-level keynote presentations addressing cutting-edge topics:

- Prof. Jason Harris (USA) discussed *Nuclear Safety, Security, and Safeguards Design for Advanced Modular Reactors.*
- Prof. José António Campos Matos (Portugal) presented on *Novel Approaches towards Sustainable Management of Existing Civil Infrastructures.*
- Prof. Theodore S. Karacostas (Greece) spoke about *Mitigating the Impact of Climate Change on Drought through Precipitation Enhancement Projects.*
- Prof. Vlado Spiridonov (North Macedonia) concluded with insights on *Smarter Severe Weather Forecasting and Alert Systems.*

The first day closed with a Welcome Cocktail Reception at the International Corner of FCE, accompanied by live saxophone music by Dukagjin Muhaxheri, providing a pleasant networking atmosphere among participants.

Day 2 – October 16, 2025: Official Opening Ceremony and Thematic Sessions

The second day marked the Official Opening Ceremony, chaired by Prof. Florim Grajçevci, Prof. Neritan Shkodrani, Prof. Akli Fundo, and Prof. Avni Hajdari

The day featured a series of international keynote lectures covering diverse fields:

- Prof. Günter Langergraber (Austria) on *Treatment Wetlands in Rural Wastewater Management.*
- Prof. Bujar Morava (USA) on *Supplemental Damping Systems in Tall Buildings.*
- Prof. Klaus Holschemacher (Germany) on *Automated Production of Precast Carbon-Reinforced Concrete.*
- Prof. Alexandros Stefanakis (Greece) on *Constructed Wetlands for Circular Wastewater Management.*
- Prof. Georg Gartner (Austria) discussed *The Relevance of Cartography and Artificial Intelligence.*
- Prof. Dashnor Hoxha (France) spoke about *Design of Underground Workouts in Thermo-Hydro-Mechanical Coupling Conditions.*
- Prof. Krzysztof Jóźwiakowski (Poland) shared *30 Years of Experience in Constructed Wetland Wastewater Treatment Plants.*
- Prof. Iman Hajirsouliha (UK) presented on *Performance-Based Optimization of Cold-Formed Steel Systems.*
- Prof. Klaudia Anna Borowiak (Poland) explored *Rare Earth Elements in Urban Landscapes.*

- Prof. Hakim S. Abdelgader (Libya) discussed *Self-Compacting Grout and Concrete Production.*

The day concluded with a Gala Dinner held at Venus Hotel, celebrating collaboration and academic excellence.

Day 3 – October 17, 2025: Earthquake Engineering and Parallel Sessions

The final conference day opened with a session dedicated to Seismic Engineering and Structural Resilience, featuring three distinguished keynote lectures:

- Prof. Alper Ilki (Türkiye) presented *Seismic Vulnerability of RC Residential Buildings – Fragility Perspectives from the 2023 Türkiye Earthquakes.*
- Prof. Abdulkadir Cüneyt Aydin (Türkiye) spoke on *Energy Harvesting from Earthquakes and Earthquake Isolation Systems.*
- Prof. Mehmet Salih Bayraktutan (Türkiye) discussed *Seismically Triggered Landslides and Mud Flows in Eastern Türkiye.*

Following the morning plenary, three parallel technical sessions were held (Rooms 408, 414, and 415), where participants presented research papers and project findings in structural, environmental, geotechnical, hydraulic, and transportation engineering. Networking sessions, coffee breaks, and a joint lunch facilitated informal discussions and the exchange of experiences among participants.

The event concluded with the Closing Ceremony, where organizers expressed gratitude to all speakers, contributors, and institutional partners, reaffirming the commitment to strengthen international collaboration and prepare for the next ICCE 2026.

Day 4 – October 18, 2025: Study Visits and Networking

The final day was dedicated to study visits and informal networking activities, where participants explored local infrastructure projects and cultural landmarks in Prishtina and its surroundings.

Overall Impact

ICCE 2025 successfully combined scientific excellence, international collaboration, and industry-academia integration, addressing contemporary challenges in civil and environmental engineering. The participation of over 17 keynote speakers and numerous institutional partners — including universities, research institutes, public enterprises, and private engineering companies — highlighted the growing role of Kosovo as a regional hub for engineering research and innovation.

Evaluation and Impact

The conference received very positive feedback from attendees for both organizational aspects and the quality of scientific content. Many expressed interest in future collaborations, joint publications, and participation in the next editions.

Recommendations for Future Editions

Building upon the experience and outcomes of **ICCE 2025**, as well as the valuable feedback provided by participants, several directions for improvement and further development are recommended for future editions of the conference. The next ICCE events should aim to strengthen collaboration between academia, industry, and public institutions, fostering a closer link between scientific research and its practical implementation in the field of civil and environmental engineering. Establishing stronger partnerships with design and construction companies, engineering consultancies, and governmental agencies would enhance the conference's relevance and contribute to innovation-oriented outcomes.

Future editions are encouraged to include a wider variety of thematic sessions and interactive workshops that explore emerging topics such as artificial intelligence in engineering, smart infrastructure systems, sustainable materials, and climate-resilient design. Expanding international participation through joint sessions, mobility-supported attendance, and partnerships with European universities and research institutes will further elevate the academic quality and global visibility of the ICCE series.

Particular attention should be given to the engagement of students and early-career researchers by establishing a dedicated platform within the conference for the presentation of their work, mentorship activities, and awards recognizing outstanding scientific and innovative contributions. At the same time, the organization of future editions should continue to embrace digital transformation, by offering hybrid formats that enable both in-person and remote participation, ensuring greater accessibility and dissemination of knowledge.

The publication strategy of ICCE should also be reinforced by developing collaborations with indexed international journals and open-access platforms, enabling wider distribution and recognition of the presented research. Furthermore, adopting sustainable event management practices—such as paperless registration, minimized printing, recycling initiatives, and local resource use—will reflect the environmental responsibility and core values of the conference.

Finally, it is recommended to establish a permanent scientific and organizing committee to ensure continuity and strategic planning between conference editions. This will help align the conference themes with regional and European research priorities, maintain institutional memory, and support the long-term vision of ICCE as a leading scientific platform in the Balkans and beyond.

In conclusion, the success of **ICCE 2025** confirms the importance of this conference as a forum for scientific exchange, collaboration, and innovation. Future editions should continue to build on this foundation by promoting excellence in research, strengthening professional cooperation, and advancing sustainable and resilient development in civil and environmental engineering.

Conclusion

ICCE 2025 concluded with great success, reaffirming the commitment of the Faculty of Civil Engineering to being a center of academic excellence and international collaboration.

Acknowledgements to the Conference Secretariat

The Organizing Committee of **ICCE 2025** extends its deepest gratitude to the **Conference Secretariat** for their exceptional dedication, professionalism, and efficiency throughout all stages of the conference preparation and implementation.

 Almedina Rapuca	 Labeat Misini	 Hana Shehu Agani	 Ilir Canaj
 Anita Gjukaj	 Venera Hajdari Llapashtica	 Zijadin Guri	Joana Gjipalaj
 Santino Spahiu	Drilona Disha		

The Secretariat played a crucial role in coordinating communication with participants, managing registrations, preparing conference materials, and ensuring the smooth execution of all sessions and events. Their tireless efforts before and during the conference days greatly contributed to the success of ICCE 2025.

Special appreciation is extended to Vlerë Krasniqi for the moderate of the ICCE, Qëndresë Berisha, Lulzim Hajdini, and Altin Mujaj for their professional support, coordination, and participation in various sessions and organizational activities. Their commitment, teamwork, and academic excellence played a key role in ensuring the smooth running and overall success of the conference.

Their efforts in assisting international guests, moderating sessions, and contributing to the scientific and logistical organization of ICCE 2025 reflect the strong spirit of collaboration and dedication that defines the Faculty of Civil Engineering.

Special thanks are extended to all administrative staff, technical assistants, and student volunteers of the Faculty of Civil Engineering, University of Pristina, whose commitment, teamwork, and hospitality provided outstanding experience for all conference guests and delegates.

The Organizing Committee highly appreciates their contribution and recognizes that the success of ICCE 2025 would not have been possible without their continuous support and enthusiasm.

Prepared by:

Prof. Dr. Florim Grajçevci, Dean, Faculty of Civil Engineering

University of Prishtina

December 2025