Call for Abstracts

CONSEC24



10th International Conference on

CONcrete under **SE**vere **C**onditions (CONSEC) – Environment & Loading

https://consec24.com

September 25 - 27, 2024, IITM Research Park, IIT Madras, Chennai, INDIA

CONSEC conferences focus on the advancements in the areas related to the design, construction, testing, and preservation of various construction materials and systems exposed to severe environmental and loading conditions. Earlier CONSECs were held in Japan (1995), Norway (1998), Canada (2001), South Korea (2004), France (2007), Mexico (2010), China (2013), Italy (2016), and Brazil (2019). Now, the *Centre of Excellence on Technologies for Low-Carbon and Lean Construction (TLC2)* at the Indian Institute of Technology Madras feels proud and privileged to organize the 10th CONSEC in Chennai, India (named as CONSEC24). We have also planned pre- and post-conference workshops on allied topics. **CONSEC24 will provide a single platform for exchanging ideas in both focussed and holistic manner for the design, construction and conservation of materials and systems for reinforced concrete structures experiencing severe conditions.** We invite researchers, students, faculty members, and practitioners to attend CONSEC24 and make it a huge success.

Conference themes and subthemes

Advanced materials for severe conditions

- Cements and binders (SCMs)
- Chemical admixtures
- Hydration and microstructure
- Metallic and non-metallic reinforcement (fibres, mesh, bars, strands)
- Alternative aggregates

Lab/field testing and characterisation

- Material characterisation tests
- Accelerated tests and longterm performance
- Non-destructive testing
- Forensics and condition assessment
- Naturally deteriorated systems

Service life, reliability, and

sustainability

Service life and durability

Residual capacity and

reliability assessment

Repair and strengthening materials and methods

- Preventive maintenance
- Electrochemical repair
- Waterproofing & coating
- Grouts and grouting methods
- Repair mortar and concrete
 Residual associations associated associations.
- Residual capacity assessmentStrengthening techniques

Special concretes and

construction techniquesFRC, TRC, HPC, UHPC, SHC

- Precast concrete
- 3D-concrete printing
- Underwater construction
- Cold-weather construction
- High-rise concrete pumping

Damage, deterioration and transport properties

- ASR, sulphate or acid attack
- · Chloride ingress
- Carbonation and leaching
- Corrosion of reinforcement
- Creep and shrinkage
- Fatigue and fracture

assessment (LCA)Standardization and codes

Sustainability and life cycle

Important Dates

Submission of 250-word Abstract	September 30, 2023	
Acceptance of Abstract	October 31, 2023	
Early-Bird Registration	January 31, 2024	
Submission of 4-page Extended Abstract / 8-page Full Paper	February 15, 2024	
Submit application for Indian Conf. Visa, if needed	March 1, 2024	
Acceptance of 4-page Extended Abstract / 8-page Full Paper (optional)	May 1, 2024	

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	Conference Registration fee			
Type of delegate	Before March 1st,2024		After March 1st,2024	
	Indian	Foreign	Indian	Foreign
	(INR)	(USD)	(INR)	(USD)
Student Authors (Regular)	14,000	450	18,000	550
Student Authors (Subsidized)	8,000	250	12,000	350
Regular	25,000	800	30,000	900
Discounted Regular	22,000	700	27,000	800
(RILEM/ICI members)				
Subsidized	15,000	450	20,000	550

The Registration Fee entitles the delegates to attend all technical sessions of the conference, exhibition, lunch, reception and banquet, and receive the proceedings.

- For full-time students wanting to attend only the pre- and post-conference workshops, a fee of INR 2000 per workshop is applicable. For others, INR 4000 per workshop is applicable.
- Students without an abstract for paper/poster presentations will be considered as Regular category.

*Countries eligible for subsidized fee: Albania; Algeria; Angola; Argentina; Bangladesh; Bosnia and Herzegovina; Botswana; Brazil; Bulgaria; Burkina Faso; Cambodia; Cameroon; Chile; Colombia; Congo; Costa Rica; Croatia; Cuba; Dominican Republic; Ecuador; Egypt; Estonia; Ethiopia; Federal Republic of Nigeria; Georgia; Ghana; Guatemala; Hungary; India; Indonesia; Iran; Iraq; Ivory Coast; Jordan; Kazakhstan; Kenya; Latvia; Lebanon; Lesotho; Libya; Lithuania; Macedonia; Malawi; Malaysia; Mauritius; Mexico; Montenegro; Morocco; Mozambique; Myanmar; Nepal; Pakistan; Paraguay; Peru; Poland; Philippines; Republic of Moldova; Romania; Russian Federation; Senegal; Serbia; South Africa; Sri Lanka; Syrian Arab Republic; Tanzania; Thailand; Togo; Tunisia; Turkey; Ukraine; United Republic of Tanzania; Uruguay; Venezuela; Vietnam; Yemen; Zimbabwe, and other countries with similar or lower GDP.

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