

Calls for Papers

Concrete 2025

Meeting: The Concrete Institute of Australia (CIA) Biennial National Conference, Concrete 2025, will be held September 7-10, 2025, at the Adelaide Convention Centre, Adelaide, SA, Australia.

Solicited: Under the theme “Concrete Solutions for a Sustainable Future,” the conference will cover all aspects of concrete materials, design, construction, repair, and maintenance that are relevant to our changing world. The conference is dedicated to bringing together global leaders in the concrete industry to discuss and share information on what a sustainable future looks like in the concrete industry. Co-chaired by Tom Benn and Yan Zhuge, the conference will feature a 3-day technical program with over 200 papers and presentations, covering more than 20 concrete topics. Special workshops on sustainability, durability, and innovative concrete practice; several keynote and invited speakers; and the very important NEXGen forum will also be included.

Abstracts for Concrete 2025 are invited on the conference themes and topics of alkali-activated concretes; asset and maintenance management; buildings and infrastructure; carbon-neutral concrete; case studies and major projects; concrete design; concrete properties; conventional concrete materials; digital innovations in concrete; durability; high-performance concrete; innovations in concrete materials; inspection and testing; multi-hazard resistance; precast, prefabricated, and modular concrete; reinforcement; repair, restoration, and retrofit; standards and codes; and sustainability and low-carbon concrete.

Requirements: For more information, visit <https://ciaconference.com.au/submissions/>.

Deadline: Abstracts are due by September 26, 2024.

Contact: ciaconference@arinexgroup.com.

60th Anniversary of ACI 348 - Structural Reliability and Safety: Past, Present, and Future

Meeting: The technical session “60th Anniversary of ACI 348 - Structural Reliability and Safety: Past, Present, and Future” will be held at the ACI Concrete Convention – Fall 2025 in Baltimore, MD, USA; sponsored by ACI Committee 348, Structural Reliability and Safety, and co-sponsored by ACI Committee 135, Machine Learning-Informed Construction and Design.

Solicited: Since ACI Committee 348 was established in 1964, the committee has been dedicated to developing knowledge and tools on structural reliability and safety by applying advanced technologies to the design, assessment, and rehabilitation of new and existing concrete structures. To celebrate its 60th anniversary in 2024, the committee is

organizing a joint session co-sponsored by ACI Committee 135. Four sessions are proposed:

- Session I: “Code Requirements for Concrete Structure Design and Evaluation”;
- Session II: “Evolution of Structural Reliability Models”;
- Session III: “Structural Reliability in Practice”;
- Session IV: “Emerging Techniques in Reliability-Based Design and Evaluation.”

Papers are invited to present emerging approaches for modeling and assessing structural loads and deterioration effects on concrete structures accounting for uncertainties in resilience design and planning. This session accommodates the effects of both multiple hazards and multiple occurrences of a single hazard in the design lifetime for risk-informed decision-making. Also, the emerging approaches include, but are not limited to, both physics-based and data-driven methods (for example, conventional probabilistic methods, artificial intelligence [AI], and supervised and unsupervised machine learning [ML] methods) to improve our capability to identify, characterize, predict, and mitigate hazards and risks for concrete members and structures. Research on pure data processing is out of the scope of this session.

This session is proposed with an ACI standard session format that offers up to six presentations with a 15-minute talk and 5-minute Q&A for each presentation. The presentations may be included in the ongoing ACI 348 Special Publication (SP) that was approved by the ACI Technical Activities Committee in 2023.

Requirements: Send the following to YeongAe Heo, ynheo@sandia.gov; Ming Liu, ming.liu4.civ@us.navy.mil; and Hani Nassif, nassif@soe.rutgers.edu: 1) presentation title; 2) author(s) affiliation, address, and email; and 3) abstract of no more than 200 words.

Deadline: Abstracts are due by October 25, 2024.

Concrete Solutions 2025

Meeting: Concrete Solutions 2025 will be held June 16-18, 2025, at the National Laboratory for Civil Engineering in Lisbon, Portugal.

Solicited: Concrete Solutions 2025 is the ninth in a series of international conferences on concrete repair, durability, and technology. The aim of the event is to inform on the latest knowledge in concrete. Papers are invited on case studies, concrete and admixture technology, concrete durability, electrochemical repair, patch repair, repair of fire damage, in-place strength assessment, nondestructive testing and diagnosis, repair and conservation of heritage structures, risk management, self-healing materials, service life design and modeling, repair and strengthening materials and techniques/rehabilitation with composites, structural health monitoring,

surface protection methods and materials, sustainability, and life-cycle assessment/whole-life costing.

Requirements: For more information, visit <https://concrete-solutions.org/>.

Deadline: Abstracts are due by October 31, 2024.

Contact: info@concrete-solutions.org.

SMiRT28

Meeting: The 28th International Conference on Structural Mechanics In Reactor Technology (SMiRT28) will be held August 10-15, 2025, in Toronto, ON, Canada. The conference theme is “Harnessing Nuclear Technologies & Innovation as a Path to Net Zero by 2050.”

Solicited: The SMiRT conference, a platform to discuss structural mechanics in reactor technology and innovation, anticipates attendees providing valuable contributions to nuclear containment concrete structures. Expertise in this field, particularly with the growing focus on small modular reactor design and development, is highly relevant and will greatly enrich the discussions. Participation will not only contribute to the conference’s success but also provide attendees with an exciting opportunity to network with other experts, gain insights into the latest developments in the field, and enhance the attendee’s professional reputation.

The conference technical topical areas for abstracts submissions include mechanics of materials; fracture mechanics and component structural integrity; computation, simulation, and visualization of components and structures; hazards and load characterization—internal and external; response characterization using testing and analysis techniques; design codes, standards, and issues; reliability, risk, and safety margins; ageing and plant life management (PLiM), monitoring, inspection, and maintenance; fuel cycles, facilities, and waste management and decommissioning; constructability and construction management; and new technologies (additive manufacturing, artificial intelligence [AI], and digital twin).

Requirements: For more information, visit <https://smirt28.com/call-for-abstracts-and-papers/>.

Deadline: Abstracts are due by November 1, 2024.

Contact: SMiRT28@QuantumEvents.ca.

Undergraduate Research Session

Meeting: The Undergraduate Research Session will be held at the ACI Concrete Convention – Spring 2025 in Toronto, ON, Canada; sponsored by ACI Committee S805, Student Leadership Council.

Solicited: Undergraduate students are invited to submit an abstract describing their concrete-related research. Research described in an abstract should be work conducted

predominately by undergraduate students. Presentations are to be made by undergraduate students. Graduate students who conducted research while an undergraduate are also welcome to submit an abstract. Presentations on concrete materials, structural design, construction, or other concrete-related issues are all welcome.

Requirements: Submit the following in a single PDF to ACI Committee S805 at acis805committee@gmail.com: 1) presentation title; 2) abstract of no more than one-half page; 3) presenter(s) first and last name, title if any, affiliation, mailing address, phone, and email; 4) co-author(s) first and last name, title if any, affiliation, mailing address, phone, and email; 5) research faculty advisor’s first and last name, title, affiliation, mailing address, phone, and email; 6) a statement by the research faculty advisor confirming that the research was conducted predominately by the undergraduate student(s); and 7) a statement by the research faculty advisor confirming that the presenter will be able to attend the ACI Concrete Convention – Spring 2025.

Deadline: Abstracts are due by November 15, 2024.

Contact: Timothy Kohany, tkohany01@manhattan.edu.

Bridge Engineering Conference 2025

Meeting: The Bridge Engineering Institute Conference (BEI-2025) will be held July 21-24, 2025, at Centre International de Conférences – Sorbonne Université, Paris, France.

Solicited: BEI-2025, an official conference of the Bridge Engineering Institute (BEI), is a forum for international researchers and practitioners around the globe. State-of-the-art knowledge of bridge engineering and related fields will be discussed with distinguished speakers in plenary and parallel sessions.

Requirements: For more information, visit <https://beibrIDGE.org/BEI2025.html>.

Deadline: Abstracts are due by November 30, 2024.

Contact: Yongcheng Ji, Conference Secretariat, bei_institute@outlook.com.

Calls for Papers: Submission Guidelines

Calls for papers should be submitted no later than 3 months prior to the deadline for abstracts. Please send meeting information, papers/presentations being solicited, abstract requirements, and deadline, along with full contact information, to: Lacey Stachel, Managing Editor, *Concrete International*, 38800 Country Club Drive, Farmington Hills, MI 48331; email: lacey.stachel@concrete.org. Visit www.callforpapers.concrete.org for more information.