

# Calls for Papers

## Analysis and Testing for Bridge Evaluation and Design

**Meeting:** Technical session on “Advanced Analysis and Testing Methods for Concrete Bridge Evaluation and Design” at The ACI Concrete Convention and Exposition – Fall 2018, October 14-18, 2018, in Las Vegas, NV; sponsored by ACI Committee 342, Evaluation of Concrete Bridges and Bridge Elements, and Joint ACI-ASCE Committee 343, Concrete Bridge Design.

**Solicited:** Presentations are invited on state-of-the-art and emerging technologies for the strength evaluation and design of concrete bridges using advanced computational analysis and load testing methods. The following topics are considered: advanced nonlinear modeling and nonlinear finite element analysis, structural versus element rating, determination of structure-specific reliability indices, load testing beyond the service level, load testing to failure, and use of continuous monitoring for detecting anomalies.

**Requirements:** 1) presentation title; 2) author/speaker name(s), title, organization, and contact information; and 3) an abstract of up to 200 words. The Special Publication will follow the ACI Publications Policy. Authors are encouraged to consult the ACI Author Guidelines, which describe the requirements for submission of manuscripts.

**Deadlines:** Abstracts are due by February 12, 2018; final papers are due by October 31, 2018.

**Send to:** Ben Dymond, University of Minnesota – Duluth, e-mail: [dymond@d.umn.edu](mailto:dymond@d.umn.edu); and Bruno Massicotte, Polytechnique Montréal, e-mail: [bruno.massicotte@polymtl.ca](mailto:bruno.massicotte@polymtl.ca).

## Material Science and Engineering

**Meeting:** 9th International Conference on Material Science & Engineering (IMS2018), July 23-25, 2018, in Toronto, ON, Canada.

**Solicited:** Abstracts of 200 to 250 words are invited. For accepted abstracts, at least one author must register for the conference for the paper to be published in the conference program and proceedings. We encourage our colleagues to limit their submission to not more than two abstracts per author (one poster and one paper). All abstracts will be reviewed by members of the technical committee.

**Requirements:** All submissions must be in Microsoft Word format and should include a separate title page listing the following: title of paper, author(s), organization affiliation(s), complete mailing address, e-mail address, and keywords (three to four keywords).

**Deadlines:** Abstracts are due by February 28, 2018; final text is due by April 31, 2018.

**Send to:** Khandaker M. Anwar Hossain, Ryerson University, e-mail: [IMS9\\_2018@ryerson.ca](mailto:IMS9_2018@ryerson.ca); telephone: +1.416.979.5000, ext. 6452/7867.

## Offshore and Marine Concrete Structures: Past, Present, and Future

**Meeting:** Two-part technical session on “Offshore and Marine Concrete Structures: Past, Present, and Future” at The ACI Concrete Convention and Exposition – Spring 2019, March 24-28, in Quebec City, QC, Canada; sponsored by ACI Committee 357, Offshore and Marine Concrete Structures.

**Solicited:** Offshore and marine concrete structures have not received enough attention in the recent past, at least in the United States. The complexity and safety concerns associated with these structures are such that they probably need more attention compared to many other types of concrete structures. Also, offshore and marine concrete structures are so global in nature that there is a higher need for better coordination and synchronization of design, construction, inspection, and maintenance practices in different parts of the world. This two-part session will highlight the past, present, and future of marine concrete structures. Academics, researchers, practitioners, engineers, scientists, and manufactures from all across the world will benefit from this session.

Potential topics for the session include, but are not limited to, the following: overview of offshore and marine concrete structures; materials technology; advances in design and construction practices; advances in inspection, maintenance, and repair practices; innovative and emerging technologies; international practices; landmark and historic projects; lessons learned from the past; and a path forward for offshore and marine concrete structures.

Papers will be peer reviewed and accepted papers will be included in an ACI Special Publication.

**Requirements:** 1) Paper title; 2) author/speaker name(s), title, organization, and contact information; and 3) an abstract not exceeding 300 words.

**Deadlines:** Abstracts are due by March 15, 2018; manuscripts of selected papers are due by May 15, 2018.

**Send to:** Mohammad S. Khan, High Performance Technologies, Inc. (HPTech), e-mail: [mkhan@hptech-inc.com](mailto:mkhan@hptech-inc.com).

## Cement-based Materials and Structural Concrete

**Meeting:** SynerCrete 18, Interdisciplinary Approaches for Cement-based Materials and Structural Concrete, October 24-26, 2018, in Funchal, Madeira Island, Portugal.

**Solicited:** The theme of SynerCrete 18 is “Synergizing Expertise and Bridging Scales of Space and Time.”

Conference topics will include concrete technology and advanced material testing, multi-scale in time and space modeling and experiments, multi-physics simulation and structural design, BIM and structural concrete, robotics and cement-based materials, digital fabrication, on-site monitoring and structural condition assessment, new materials, and fiber-reinforced concrete and nonmetallic reinforcement.

**Requirements:** Submit an online abstract of 500 words maximum in plain text. Visit <https://synercrete.com> for more information.

**Deadline:** Abstracts are due by March 23, 2018.

**Contact:** [info@synercrete.com](mailto:info@synercrete.com).

## Structural Health Monitoring of Intelligent Infrastructure

**Meeting:** 9th International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-9), August 4-7, 2019, in St. Louis, MO; organized by Missouri S&T.

**Solicited:** SHMII-9 will address the theme of “Transferring Research into Practice.” Abstracts and papers are solicited to report the research and development of new and emerging technologies, the new guideline and innovative approach to facilitate technology transfer, the unique field demonstrations of existing and new technologies, and the development of special programs of general interest. Preference will be given to abstracts and papers focused on transferring research into practice. Visit <https://shmii-9.mst.edu> for more information.

**Deadline:** Abstracts are due by May 1, 2018.

**Technical inquiries:** Genda Chen, SHMII-9 Conference Chair, e-mail: [gchen@mst.edu](mailto:gchen@mst.edu), telephone: +1.573.341.4462.

## Notable Concrete in Las Vegas and Vicinity

**Document:** Compendium of notable concrete in Las Vegas and vicinity for e-publication at The ACI Concrete Convention and Exposition – Fall 2018 in Las Vegas, NV, October 14-18, 2018; compiled by ACI Committee 124, Concrete Aesthetics and co-sponsored by the Las Vegas Chapter – ACI, AIA Las Vegas/AIA Nevada, and SEASoN. The document will also be available as an electronic file on the ACI website, and may be excerpted in *Concrete International*. Images submitted will be stored and available as electronic files on the ACI website and may be used in ACI educational and promotional materials. Exceptional images may merit placement on the cover of *Concrete International*.

**Solicited:** Image and brief description of notable concrete (cast-in-place, precast, post-tensioned, masonry, or tilt-up) in all types of uses—buildings, monuments, pavement, silos, bridges, crypts, furniture, retaining walls, utility poles, tanks, sculpture, culverts, plazas, and whatever else has caught your

attention. Significance may be historical, aesthetic, sustainable, functional, structural, construction-related, unusual use or application, or simply personal affection.

**Requirements:** 1) Name and location of submission; 2) image (photograph, drawing, or sketch) that is not copyrighted; 3) brief description that establishes significance and lists credits; and 4) submitter’s name, title, organization, city and state, telephone, and e-mail address. Location information should include zip code. Submit all information in electronic format: image as JPG or TIFF file at least 1 MB (but no more than 4 MB); text in e-mail or as Microsoft Word document (120 words maximum). No PDF files, please.

**Deadline:** Materials are due by July 1, 2018.

**Send to:** Michael J. Paul, Larsen & Landis, 11 W. Thompson St., Philadelphia, PA 19125, [mpaul@larsenlandis.com](mailto:mpaul@larsenlandis.com).

## Prestressed Concrete with Conventional and Nonconventional Materials

**Meeting:** Technical session on “Prestressed Concrete with Conventional and Nonconventional Materials” at The ACI Concrete Convention and Exposition – Fall 2019, October 20-24, 2019, Cincinnati, OH; sponsored by ACI Committee 345, Concrete Bridge Construction, Maintenance, and Repair.

**Solicited:** The special session will focus on the recent advancement of prestressed concrete for bridges and structures using conventional and nonconventional materials. Presentations and technical papers will include the conceptual development of innovative prestressed concrete, laboratory experiments, numerical modeling, and case studies. State-of-the-art prestressing techniques and nonconventional materials such as fiber-reinforced polymer (FRP) composites to address the sustainable performance of concrete members will also be considered. An ACI Special Publication will be published.

**Requirements:** 1) Presentation/paper title; 2) author/speaker name(s), title, affiliation, and contact information; and 3) an abstract of 200 words.

**Deadlines:** Abstracts are due by July 31, 2018; final papers are due by November 30, 2018.

**Send to:** Yail Jimmy Kim, University of Colorado Denver, e-mail: [jimmy.kim@ucdenver.edu](mailto:jimmy.kim@ucdenver.edu); and Hiroshi Mutsuyoshi, Saitama University, e-mail: [mutuyosi@mail.saitama-u.ac.jp](mailto:mutuyosi@mail.saitama-u.ac.jp).

## 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: Keith A. Tosolt, Managing Editor, *Concrete International*, e-mail: [keith.tosolt@concrete.org](mailto:keith.tosolt@concrete.org). Visit [www.callforpapers.concrete.org](http://www.callforpapers.concrete.org) for more information.