

Calls for Papers

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. Visit www.callforpapers.concrete.org for more information.

GeoMEast 2018 International Congress and Exhibition

Meeting: GeoMEast 2018 International Congress and Exhibition, November 24-28, 2018, in Cairo, Egypt; organized by the Soil-Structure Interaction Group in Egypt (SSIGE) and the Egyptian Housing and Building National Research Center (HBRC).

Solicited: GeoMEast 2018 main conference themes are geotechnical, geological, geo-environmental, and geosynthetics; sustainable infrastructures; and climate change and its effects on civil infrastructure. Visit www.GeoMEast2018.org for more information.

Requirements: Submit abstracts at www.editorialmanager.com/suci.

Deadline: Abstracts are due by December 15, 2017.

Inquiries to: info@geomeast2018.com.

Phase Change Materials in Concrete

Meeting: Technical session on “Phase Change Materials in Concrete” at The ACI Concrete Convention and Exposition – Fall 2018, October 14-18, 2018, in Las Vegas, NV; sponsored by ACI Committee 236, Material Science of Concrete.

Solicited: Topics of the session will include influence of micro-encapsulated phase change materials (PCMs) on microstructure and strength of concrete; durability of cementitious composites containing phase change materials; energy efficiency of various phase change material carriers; and mitigating thermal cracking and thermal fatigue of concrete using phase change materials. Submitted papers should address different types of carriers and working mechanisms of PCMs and the effects of PCMs on concrete properties, as well as details of PCM selection and field implementation. Applications of PCMs in building envelopes will also be considered.

Requirements: 1) presentation title; 2) author/speaker name(s), title, organization, and contact information; and 3) an abstract of up to 300 words.

Deadlines: Abstracts are due by December 31, 2017; final papers are due by July 1, 2018.

Send to: Hongyan Ma, Missouri S&T, e-mail: mahon@mst.edu.

Additive Manufacturing of Cement-Based Materials

Meeting: Technical session on “Materials Science Aspects Related to Additive Manufacturing of Cement-Based Materials” at The ACI Concrete Convention and Exposition – Fall 2018, October 14-18, 2018, in Las Vegas, NV; sponsored by ACI Committees 236, Material Science of Concrete; 238, Workability of Fresh Concrete; and 552, Cementitious Grouting.

Solicited: Presentations on the materials science aspects relating to digital manufacturing (three-dimensional [3-D] printing or additive manufacturing) of cement-based materials are invited. Early-age properties that are desirable for digital manufacturing, mixture designs and selection methods, printability, and quality control/characterization test methods are topics of interest. Presentations on developing novel cement-based materials using 3-D printing to provide special properties and means to architect such microstructures are also solicited.

Requirements: 1) presentation title; 2) author/speaker name(s), title, organization, and contact information; and 3) an abstract of up to 200 words.

Deadline: Abstracts are due by January 15, 2018.

Send to: Narayanan Neithalath, Arizona State University, e-mail: narayanan.neithalath@asu.edu; and Gaurav Sant, University of California Los Angeles, e-mail: gsant@ucla.edu.

IASS 2018: Creativity in Structural Design

Meeting: The annual Symposium of the International Association for Shell and Spatial Structures (IASS), July 16-20, 2018, in Boston, MA, hosted at the Massachusetts Institute of Technology (MIT).

Solicited: The symposium aims to bring together leading designers and researchers working in the fields of structural engineering and architecture from around the world. The symposium theme, Creativity in Structural Design, celebrates work in the built environment that pushes beyond the status quo and synthesizes across disciplines to solve important problems of today and the future. Empowered by recent advances in computation, materials, and fabrication, creative structural design is expanding possibilities for shell and spatial structures. The IASS 2018 organizers encourage the participation of designers, engineers, architects, researchers, and all who are interested in creative ways to explore structural design. Additionally, young practitioners and scholars are welcome to participate in the Hangai Prize competition that recognizes outstanding submissions from participants under 30. Papers will be written and presented in English.

Requirements: Visit www.iass2018.org for more information on abstract submissions.

Deadline: Abstracts are due by January 15, 2018.

Seismic Analysis, Design, and Construction of Concrete Buildings and Bridges

Meeting: Technical sessions on “Seismic Analysis, Design, and Construction of Concrete Buildings and Bridges” at The ACI Concrete Convention and Exposition – Fall 2018, October 14-18, 2018, in Las Vegas, NV, sponsored by ACI Committees 341, Earthquake-Resistant Concrete Bridges; and

345, Concrete Bridge Construction, Maintenance, and Repair.

Solicited: These sessions will emphasize recent advances in the seismic analysis, design, and construction of concrete buildings and bridges. Presentations will encompass a variety of technical aspects such as the refined analysis and assessment techniques of concrete members subjected to seismic loading, damage detection and mitigation, vulnerability identification, and strengthening of constructed structures. Both experimental and analytical investigations are of interest. The sessions will bring to light recent research findings and provide an opportunity to discuss present challenges and technical demands. Critical information will be provided to those who will lead tomorrow's structural design and construction, including practicing engineers, government officials, and academics. An ACI Special Publication will be published.

Requirements: 1) presentation title; 2) author/speaker name(s), title, organization, and contact information; and 3) an abstract of up to 300 words.

Deadlines: Abstracts are due by January 31, 2018; final papers are due by April 30, 2018.

Send to: Yail Jimmy Kim, University of Colorado Denver, e-mail: jimmy.kim@ucdenver.edu; and Junwon Seo, South Dakota State University, e-mail: junwon.seo@sdsstate.edu.

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; and Bruno Massicotte, Polytechnique Montréal, e-mail: bruno.massicotte@polymtl.ca.

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