

Second Announcement and Call for Papers

# FraMCoS - 9

## The 9th International Conference on Fracture Mechanics of Concrete and Concrete Structures



29 May - 1 June 2016  
University of California, Berkeley  
Clark Kerr Campus  
Berkeley, California, USA

[www.framcos.org](http://www.framcos.org)

**New Date!**

### Conference Topics

FraMCoS-9 welcomes paper contributions within, or spanning, the following themes:

- A: Theoretical fracture mechanics
- B: Experimental methodologies
- C: Computational modeling
- D: Durability/coupled problems
- E: Novel cementitious and/or other quasi-brittle materials
- F: Structural concrete applications.

While the intention is for contributions to be relevant to the subject area of fracture mechanics of concrete and concrete structures, other related topics of interest to conference participants will be considered.

### Call for Papers

Prospective authors are invited to submit detailed abstracts of one page following the guidelines provided on the FraMCoS-9 web-site ([framcos.org/framcos9](http://framcos.org/framcos9)).

Authors of accepted abstracts will be invited to submit manuscripts, which will be peer-reviewed and published on the FraMCoS website. Each published paper will be assigned a unique DOI. Paid registrants will have the option to download conference papers from the website prior to the conference. The conference proceedings will also be distributed on thumb-drive to conference attendees. Conference attendance by at least one author is required for publication. In keeping with FraMCoS tradition, no more than one presentation may be made by any attendee.

### Key Dates and Deadlines

- September 30, 2015 - Submission of abstracts
- December 1, 2015 - Preliminary acceptance
- February 1, 2016 - Submission of manuscripts
- April 1, 2016 - Notification of final acceptance
- May 1, 2016 - Manuscripts available for download
- May 29 - June 1, 2016 - Meeting in Berkeley

### Conference Secretariat

Questions about FraMCoS-9 can be addressed to the Conference Secretariat via [framcos9@framcos.org](mailto:framcos9@framcos.org).

### Additional Information

Please refer to the conference web site: [framcos.org/framcos9](http://framcos.org/framcos9), for additional information related to registration, travel, and accommodations.

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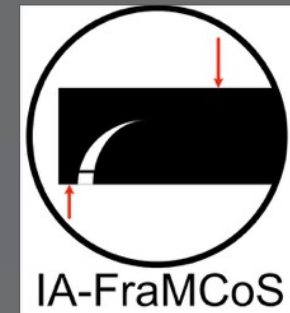
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## IA - FraMCoS

Many conferences include discussions of damage, cracking and fracture of concrete, but mostly outside the context of fracture mechanics. Other conferences cover the subject of fracture mechanics, but rarely with its application to concrete. IA-FraMCoS was founded to help fill this gap.

Concrete is an archetypical quasibrittle material. It consists of brittle constituents and is characterized by a non-negligible material characteristic length, which endows the material with a behavior that is transitional between the stress-strain relations for distributed damage at small scales and linear elastic fracture mechanics at large scales. This transitional behavior poses difficult challenges for theoretical, experimental and computational research.

Originally, IA-FraMCoS only activity was the triennial conference series with focus on concrete. Presently, it seeks to expand its activities to cover not only fundamental developments in concrete but also promotion of fracture-based approaches in engineering practice. Such an approach is long overdue in infrastructure life-cycle assessment (durability), environmental protection (long term waste storage, carbon dioxide sequestration), energy (nuclear vessels, fracking) and engineered design of new materials.

This will be accomplished not only through the perennial conferences, but also through seminar series, short courses (primarily to industry), and endorsements of high quality scientific research.

- FraMCoS-8 2013 Toledo (Spain)
- FraMCoS-7 2010 Jeju (Korea)
- FraMCoS-6 2007 Catania (Italy)
- FraMCoS-5 2004 Vail (USA)
- FraMCoS-4 2001 Cachan (France)
- FraMCoS-3 1998 Gifu (Japan)
- FraMCoS-2 1995 Zürich (Switzerland)
- FraMCoS-1 1992 Breckenridge (USA)



## IA - FraMCoS Z.P. Bažant Workshop

Professor Zdeněk Bažant has been at the leading edge of concrete mechanics for nearly 50 years, and was the founding president of IA - FraMCoS. His legacy is clearly seen in his seminal contributions to fracture and damage theory, but it is also manifest in his large cadre of successful students and collaborators.



In association with FraMCoS-9, a pre-conference workshop will be organized and hosted by former students and colleagues. The workshop will be held at the conference site on 29 May 2016.

## The Venue

The conference will be held on the Clark Kerr Campus of the University of California, Berkeley. The Kerr Campus is a mission style complex located approximately 1 km from the main campus. To promote both formal and informal exchanges, participants are strongly encouraged to reside on site, where breakfast and lunch are included.



The conference site is accessible through public transportation from both San Francisco (SFO) and Oakland (OAK) international airports using the Bay Area Rapid Transit (BART) system. ([www.bart.gov](http://www.bart.gov))

While lodging at the conference site is encouraged, a block of rooms at the nearby Claremont Hotel has been arranged for FraMCoS-9 participants who wish to stay off site. ([www.claremontresort.com](http://www.claremontresort.com))

The San Francisco bay area is the hub of northern California. It is a popular tourist destination known for its diverse communities and rich cultural attractions.



## Registration & Accommodations

Registration includes admission to all programs, proceedings, lunches, and receptions. A number of low cost lodging options are available on the UC Berkeley Campus. Please refer to conference web site for additional options.

	Before Jan. 15, 2016	After Jan. 15, 2016
Regular	\$695	\$750
Students	\$375	\$425
Accompanying Persons		\$140
On site Accommodations*	\$190 - \$470	
Bažant Workshop		\$50

\* for 3-5 nights. See [www.framcos.org](http://www.framcos.org) for options