The 8th International Conference on Fracture Mechanics of Concrete and Concrete Structures was held from March 10 to 14, 2013, in Toledo, Spain. The conference web-site is http://www.framcos8.org.

**Organizer:** IA-FRAMCOS

**Sponsoring Organizations:**
- UCLM, University of Castilla-La Mancha
- ESIS, European Structural Integrity Society
- SEIE-GEF, Spanish Structural Integrity Society
- RILEM, International Union of Laboratories and Experts in Construction Materials, Systems and Structures

### Conference Topics

The major topics for FRAMCOS-8 conference are:

- **A.** Recent advances in fracture mechanics of concrete.
- **B.** Fracture and cracking behavior of reinforced and prestressed concrete structures.
- **C.** High-performance, high strength concretes and FRC.
- **D.** Advances in structural design codes.
- **E.** Structural monitoring and assessment.
- **F.** Repair and retrofitting, practical applications.
- **G.** Durability and corrosion-induced cracking.
- **H.** Interface fracture and debonding phenomena.
- **I.** Constitutive relations, time-dependent effects, cyclic and fatigue behavior.
- **J.** Brick masonry, concrete-like and quasi-brittle materials.
- **K.** Computational aspects in fracture mechanics of concrete.

### Key Dates and Deadlines

- **March 1, 2012:** Proposals for organized sessions (via web).
- **March 15, 2012:** Submission of abstracts (via web).
- **April 30, 2012:** Preliminary acceptance to authors.
- **September 15, 2012:** Submission of complete camera-ready manuscripts (via web).
- **December 1, 2012:** Notification of final acceptance.
- **March 10-14, 2013:** Meeting at Real Fábrica de Armas, Toledo.

### Organized Sessions

In FRAMCOS-8 conference, in addition to the individual submission of papers within the overall themes of the conference, experts are encouraged to organize sessions in advance on their specific topics. Each session organizer is expected to recruit about 6–8 papers for a session and serve as chairperson. Prospective session organizers are recommended to submit the session outline including the title of the session, and the titles and authors of the papers, through the conference web site.

### Keynote Speakers

**Carmen Andrade**
Instituto Eduardo Torroja, Madrid, Spain
Probabilistic treatment of rebar depassivation and its influence in the calculation of the structural limit states.

**Alberto Carpinteri**
Politecnico di Torino, Turin, Italy
Failure mode scaling transitions in RC beams in flexure: Tensile, shearing, crushing.

**Stephen Foster**
University of New South Wales, Sydney, Australia
High performance Fibre Reinforced Concrete: Fundamental behaviour and modelling.

**Francois Hild**
LATT Cachan, France
On the use of 3D images and 3D displacement measurements for the analysis of damage mechanisms in concrete-like materials.

**Victor Saouma**
University of Colorado, Boulder, USA
Applications of Fracture Mechanics in Dams Engineering.

**Jan G. M. van Mier**
FraMCoS President, The Netherlands
Recent advances in the understanding of compressive fracture of concrete.