

**ICF 14<sup>th</sup>**  
**International Conference on Fracture**  
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**Fracture Mechanics of Concrete**

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**Mini-Symposium scope**

This Mini-Symposium on *Fracture Mechanics of Concrete* welcomes contributions dealing with theoretical and experimental aspects of fracture mechanics of concrete and concrete structures. Studies on physical and chemical phenomena that may be coupled to fracture mechanics, especially by providing strengthening or causing any type of cracking, are also included within the scope. Likewise, studies on the fracture behavior of new types of concrete, like self-compacting concrete, fiber- or textile-reinforced concrete, ultra-high strength concrete etc., are appreciated. The approach can be experimental, theoretical and / or computational. Development of new experimental methods or new computing methodologies, as well as hybrid experimental-computational research also fit the scope of the Mini-Symposium. Applications are also welcome as long as they use research based on fracture mechanics to improve the mechanical performance of the final structural element or system.

The major topics for the Mini-Symposium are as follows:

- Recent advances in fracture mechanics of concrete
- Experimental / computational methods in fracture mechanics of concrete
- Constitutive relations, time-dependent effects, cyclic and fatigue behavior
- Fracture and cracking behavior of reinforced and prestressed concrete structures
- High-performance, high strength concretes and FRC
- Advances in structural design codes
- Structural monitoring and assessment
- Repair and retrofitting, practical applications
- Durability and corrosion-induced cracking
- Interface fracture and debonding phenomena
- Brick masonry, concrete-like and quasi-brittle materials