



## **Workshop on Advanced NDT Techniques for Concrete Structures**

Friday, October 16<sup>th</sup>, 2009  
Meliã Lebreros Hotel, Seville, Spain  
8:00 to 18:00

### **Objective:**

The purpose of this workshop is to introduce advanced testing methods that can be used to evaluate fresh concrete, concrete during construction, concrete in existing structures, and corrosion activity. Underlying principles of the various methods will be reviewed, followed by demonstrations of the equipment and hands-on.

### **Presentations and demonstrations by:**

Dr. Nicholas J. Carino, Consultant, USA  
Dr. Eric Koehler, Grace, USA  
Mr. Claus G. Petersen, Germann Instrument, Denmark

### **PROGRAM**

8:00 – 9:30 Rheology and Air Void Analysis of fresh concrete  
9:30 – 11:00 Maturity and pullout testing  
11:00 – 12:30 Stress wave methods (Impact-Echo, Impulse Response & Ultrasonic 3D Tomography)  
12:30 – 13:30 Lunch to be provided  
13:30 – 15:00 Corrosion of reinforcement (chloride testing and corrosion rate)  
15:00 – 18:00 Hands-on

**Registration fee:** 190.00 Euro per person  
Max 50 persons

To sign up for the workshop, please register before Friday the 9<sup>th</sup> of October:  
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