



**IEEE**

**Cleveland Section**

**IEEE Control Systems Society, HKN Epsilon Alpha chapter, and IEEE Student Branch at Cleveland State University jointly present**

# **Control Engineering solutions for Energy and Space Applications: bridging the gap**

**Prof. Mario Garcia-Sanz**

**Case Western Reserve University, Cleveland, Ohio 44106-7071, USA.**

## **Date and time**

**Friday, Oct. 26, 2012**

**3:00pm-5:00pm**

## **Location**

**Stilwell Hall 103**

**Fenn College of Engineering**

**Cleveland State University**

**1960 East 24th Street**

**Cleveland, OH 44115**

## **Agenda**

**3:00-3:30: social hour**

**3:30-4:30: seminar**

**4:30-5:00: Q&A**

## **Who is invited**

**Anyone interested in attending**

**Priority will be given to members of IEEE Control Systems Society.**

## **CPD**

**One credit available**

**Bring your flyer for credit.**



**Dr. Mario Garcia-Sanz** is an Endowed Chair Professor at Case Western Reserve University (CWRU), the inaugural Milton and Tamar Maltz Professor in Energy Innovation, and director of the Control and Energy Systems Center at CWRU.

**Abstract of the seminar:** Control Engineering plays a central role in the design and development of the new generation of engineering systems. Bridging the gap between advanced control theory and engineering applications is the key factor to develop transformational ideas in many engineering fields, particularly in aerospace, energy innovation, water quality, sustainability, environment and industrial applications. This presentation summarizes Dr. Garcia-Sanz's experience on concurrent engineering and design of advanced control systems for industry and space agencies over the last 25 years, including formation-flying spacecraft, large multi-megawatt wind turbines, water treatment plants, very large radio telescopes, etc. For additional information, please look at the new book "Wind Energy Systems: Control Engineering Design", by M. Garcia-Sanz and C.H. Houppis, Taylor & Francis (2012).

***Refreshment and soft drink will be provided!***

**RSVP: Dr. Lili Dong • L.Dong34@csuohio.edu • 216-687-5312**

This is to certify that \_\_\_\_\_ attended this seminar. Certified by \_\_\_\_\_. Certificates of attendance and other evidence of CPD activity should be retained by the attendee for auditing purposes."