

## Workshop

# Preliminary Design of Composites

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<http://barbero.cadec-online.com/>

**FECHA Y HORA: martes 20 de Marzo – 18:00 hs**

**LUGAR: Laboratorio *Universia***

**Instituto Tecnológico de Buenos Aires - Av. Madero 399-C.A.Bs.As.**

*In this workshop, the instructor introduces the concepts of preliminary design vs. detailed analysis, as well as an overview of the tools available for each of them. Then, the workshop focuses on preliminary design of composites using **cadec-online.com**, which is a new web-based version of the software COMPUTER AIDED DESIGN FOR COMPOSITES.*

### **ORGANIZAN:**

***Centro de Ingeniería de Materiales ITBA & Mecánica de Materiales Compuestos FIUBA***

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**Ever J. Barbero**, BSME-BSEE UNRC (1983), Ph.D. Va. Tech (1989), ASME Fellow and SAMPE Fellow, Professor, Mechanical and Aerospace Engineering, College of Engineering and Mineral Resources at West Virginia University and Honorary Professor, Universidad Nacional de Trujillo, Peru. He is recognized internationally for his work on *material models* for composite and novel materials such as Aerogels, Thermoelectrics, Superalloys, etc. He is the author of "Introduction to Composite Materials Design—Second Edition" CRC (2010) and "Finite Element Analysis of Composite Materials," CRC (2007), 6 book chapters, well over 100 peer-reviewed publications, numerous conference papers, and mentor of over 30 MS and 13 Ph.D. graduates currently serving leadership positions in academia and industry worldwide. He holds two US Patents, #6,455,131 (2002) and #6,544,624 (2003). He received the AE Alumni Academy Award for Outstanding Teaching and numerous research awards. He is a member of the editorial board of Mechanics of Advanced Materials and Structures (Taylor and Francis), Annals of Solid and Structural Mechanics (Springer), and Revista Internacional de Desastres Naturales, Accidentes e Infraestructura Civil (Universidad de Puerto Rico).

**CURSO NO ARANCELADO - VACANTES LIMITADAS.**

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