

**CURRICULUM VITAE of Alex H. Barbat**

**Name:** Alex H. Barbat.  
**Position:** Professor of Structural Mechanics, Structural Mechanics Department, Civil Engineering School, Technical University of Catalonia, Barcelona, Spain.  
**Office address:** Edificio C1, Campus Norte UPC, Jordi Girona 1-3, 08034 Barcelona, Spain.  
**Telephone:** +34-934016496, **Fax:** +34-934011048, **e-mail:** alex.barbat@upc.edu

Details are given in <http://eprints.upc.edu/producciocientifica/invest/179375?locale=en>

**EDUCATION**

**Doctor Ingeniero de Caminos, Canales y Puertos**, Ministry of Education and Science, Spain, 1989.  
**Ingeniero de Caminos, Canales y Puertos**, Technical University of Catalonia, Barcelona, Spain, 1986.  
**Doctor in Engineering**, Technical University “Gh. Asachi” of Iasi, Romania, 1978.  
**Civil engineer**, Technical University “Gh. Asachi” of Iasi, Romania, 1970.  
**Bachelor**, Brasov, Romania, 1965.

**EMPLOYMENT HISTORY****a) Academic**

**Universidad Politécnica de Cataluña**, Barcelona, Spain, *Full Professor*, since 1999.  
**Universidad Politécnica de Cataluña**, Barcelona, Spain, *Associate Professor*, 1996-1999.  
**Universidad Politécnica de Cataluña**, Barcelona, Spain, *Research Professor*, 1986-1996.  
**Universidad Politécnica de Cataluña**, Barcelona, Spain, *Researcher*, 1980-1985.  
**Technical University of Iasi**, Romania, *Lecturer (Şef de lucrări)*, September 1978-August 1979.  
**Technical University of Iasi**, Romania, *Assistant Professor (Asistent)*, September 1970-August 1978.

**b) Professional**

**International Center for Numerical Methods in Engineering, CIMNE**, Barcelona, Spain, since 1987.  
**ESPES, S.A.**, Barcelona, Spain, *Earthquake Engineering Consultant*, January 1982- December 1985.  
**D.P.I., S.A.**, Barcelona, Spain, *Earthquake Engineering Consultant*, May 1980-December 1981.  
**INDUS, S.A.**, Barcelona, Spain, *Earthquake Engineering Consultant*, October, 1979-April 1980.

**DHC**

*Doctor Honoris Causa* by the “Ovidius” University, Constantza, Romania, 2011  
*Doctor Honoris Causa* by the Technical University “Gh. Asachi” of Iasi, Romania, 2011

**MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS**

*Asociación Española de Ingeniería Sísmica (AEIS)*, since 1982, president since 2004.  
*Sociedad Española de Métodos Numéricos en Ingeniería (SEMNI)*, since 1988.  
*International Association for Computational Mechanics (IACM)*, since 1988.  
*Earthquake Engineering Research Institute (EERI)*, California, USA, since 1989.  
*European Community of Computational Methods in Applied Sciences, (ECCOMAS)*, since 1993.

*Colegio de Ingenieros de Caminos Canales y Puertos, España, since 2000.*  
*Asociación Científico-técnica del Hormigón Estructural (ACHE), España, since 2000.*

### **CURRENT RESEARCH LINES**

Analysis and design of structures subjected to seismic actions  
Evaluation of damage in reinforced concrete and masonry buildings  
Active and passive control of structures under dynamic loads  
Evaluation of seismic vulnerability and risk of structures  
Seismic risk evaluation at national, sub-national and local level

### **SUMMARY OF RESEARCH ACHIEVEMENTS**

- 22 directed doctoral theses
- 8 books
- 25 chapters of books
- 72 articles published in journals included in the *ISI Web of Knowledge*
- 64 peer reviewed articles in other journals
- 20 monographs
- 275 papers in conference proceedings
- Collaboration in 62 research projects, 12 of them funded by the European Commission and 50 by national institutions.
- 60 research reports published in universities or research centers

### **OTHER ACTIVITIES RELATED TO JOURNAL EDITION**

- Associated editor of *Revista Internacional de Métodos Numéricos para Cálculo y Diseño en Ingeniería* (Journal included in the ISI Web of Knowledge), since 2010.
- Co-editor of *Revista Internacional de Ingeniería de Estructuras*, Quito, Ecuador, since 1996.
- Editor for Europe of the *Revista Internacional de Desastres Naturales, Accidentes e Infraestructura Civil*, Puerto Rico, since 2001.
- Vice Editor-in-Chief of *Intersecții/Intersections*, Iassy, Romania, since 2008.
- Editor of the monograph series *Monografías de Ingeniería Sísmica*, Centro Internacional de Métodos Numéricos en Ingeniería (CIMNE), Barcelona, since 1993 [60 monographs published].
- Member of the editorial board of *Revista de Ingeniería Sísmica*, SMIS, México DF, since 1994.
- Member of the editorial board of *CIENCIA*, ESPE, Quito, Ecuador, since 1994.
- Member of the editorial board of "*Ovidius*" *University Annals*, Constantza, Romania, since 2004.
- Member of the editorial board of the *Bulletin of the Polytechnic Institute of Iassy*, since 2009.