

# Carlos Agelet de Saracibar

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## ***Current position***

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Full Professor of Continuum Mechanics and Theory of Structures, Universidad Politécnica de Cataluña

## ***Education***

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Civil Engineer, ETS Ingenieros de Caminos, Canales y Puertos, UPC (1985)  
PhD in Civil Engineer, ETS Ingenieros de Caminos, Canales y Puertos, UPC (1990)

## ***Research interests***

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Nonlinear Computational Mechanics, Finite Element Methods, Computational Methods in Applied Science and Engineering

## ***Career***

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Full Professor of Continuum and Structural Mechanics, Universidad Politécnica de Cataluña, since 2003  
Vice-Dean of Research and Doctorate, ETS Ingenieros de Caminos, Canales y Puertos de Barcelona, Universidad Politécnica de Cataluña (1997-2005)  
Visiting Scholar, Division of Applied Mechanics, Department of Mechanical Engineering, Stanford University, Stanford, CA, USA (1993-1994)  
Associate Professor, Universidad Politécnica de Cataluña (1991-2003)  
Assistant Professor, Universidad Politécnica de Cataluña (1988-1991)  
Lecturer, Universidad Politécnica de Cataluña (1987-1988)  
Research Assistant, Universidad Politécnica de Cataluña (1986-1987)

## ***Honors and awards***

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CIRIT Young Researcher Grant 1988, 1989  
Amics de Gaspar de Portolá Grant 1991

## ***Professional activities***

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### *Community Services*

Member of the Board of Directors, ESAFORM, since 2000  
Member of the Scientific Committee, ESAFORM (1997-2000)

### *University Services*

Member of the Doctoral Committee, Universidad Politécnica de Cataluña (1998-2002)  
President of the Research and Doctorate Committee, ETS Ingenieros de Caminos, Canales y Puertos de Barcelona, Universidad Politécnica de Cataluña (1997-2005)  
Member of the Research and Doctorate Committee, ETS Ingenieros de Caminos, Canales y Puertos de Barcelona, Universidad Politécnica de Cataluña (1994-1997)

## ***Summary of journal publications***

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<b>Journal</b>	<b>Impact factor</b>	<b>Number of papers</b>
International Journal of Plasticity	3,819	3
Computer Methods in Applied Mechanics and Engineering	1,263	6
International Journal for Numerical Methods in Engineering	1,501	4
Archives of Computational Methods in Engineering	1,182	1
Other indexed journals		2

### **Selected publications (max. 5)**

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Agelet de Saracibar, C. "A new frictional time integration algorithm for large-slip multi-body frictional contact problems", *Computer Methods in Applied Mechanics and Engineering* 142 (1997) 303-334 (10 times cited)

Agelet de Saracibar, C. "Numerical analysis of coupled thermomechanical contact problems. Computational model and applications", *Archives of Computational Methods in Mechanics* 5 (1998) 243-301 (11 times cited)

Oñate, E., Agelet de Saracibar, C. "Finite element analysis of sheet metal forming problems using a selective voided viscous shell membrane formulation", *International Journal for Numerical Methods in Engineering* 30 (1990) 1577-1593 (19 times cited)

Chiumenti, M., Q. Valverde, Agelet de Saracibar, C., Cervera, M. "A stabilized formulation for incompressible elasticity using linear displacement and pressure interpolations", *Computer Methods in Applied Mechanics and Engineering* 191 (2002) 5253-5264 (9 times cited)

Agelet de Saracibar, C., Cervera, M., Chiumenti, M. "On the formulation of coupled thermoplastic problems with phase-change", *International Journal of Plasticity* 15 (1999) 1-34 (6 times cited)

### **Other relevant information**

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#### *Organizing Committees*

- Plasticity 2000, Whistler, Canada, July 17-21, 2000
- Plasticity 1999, Cancun, Mexico, January 5-13, 1999

#### *Scientific Committees*

- COMPLAS 2005, Barcelona, Spain, September 4-8, 2005
- Coupled Problems 2005, Santorini, Greece, May 2005
- ESAFORM 2005, Cluj-Napoca, Romania 27.-29. April 2005
- ECCOMAS 2004, Jyvaskyla, Finland, July 2004
- ESAFORM 2004, Trondheim, Norway, April 2004
- ESAFORM 2003, Salerno, Italy, April 28-30, 2003
- COMPLAS 2003, Barcelona, Spain, April 7-10, 2003
- ESAFORM 2002, Cracow, Poland, April 2002
- ESAFORM 2001, Liège, Belgium, April 23-25, 2001
- ECCOMAS 2000, Barcelona, Spain, September 11-14, 2000
- Plasticity 2000, Whistler, Canada, July 17-21, 2000
- Plasticity 1999, Cancun, Mexico, January 5-13, 1999
- COMPLAS 1997, Barcelona, Spain, March 17-20, 1997
- ELFIN 1995, Constanza, Romania, May 25-27, 1995
- COMPLAS 1995, Barcelona, Spain, April 3-6, 1995
- ELFIN 1993, Sibiu, Romania, May 13-15, 1993

#### *Organizing Minisymposia/Sessions*

- C. Agelet de Saracibar, J.P. Ponthot, COMPLAS 2005, Barcelona, Spain, September 4-8, 2005
- C. Agelet de Saracibar, J.A.C. Martins, SEMNI 2005, Granada, 4.-7. Julio, 2005
- C. Agelet de Saracibar, J.P. Ponthot, Coupled Problems 2005, Santorini, Greece, May 2005
- C. Agelet de Saracibar, M. Cervera, WCCM 2004, Beijing, China, September 6-10, 2004
- C. Agelet de Saracibar, M. Cervera, ECCOMAS 2004, Jyväskylä, Finland, July 24-28, 2004
- C. Agelet de Saracibar, J.P. Ponthot, COMPLAS 2003, Barcelona, Spain, April 7-10, 2003
- C. Agelet de Saracibar, ECCOMAS 2000, Barcelona, Spain, September 11-14, 2000
- C. Agelet de Saracibar, M. Cervera, Plasticity 2000, Whistler, Canada, July 17-21, 2000
- C. Agelet de Saracibar, ECCM 1999, München, Germany, August 3-September 3, 1999
- C. Agelet de Saracibar, M. Cervera, Plasticity 1999, Cancun, Mexico, January 5-13, 1999
- C. Agelet de Saracibar, M. Raous, WCCM 1998, Buenos Aires, Argentina, June 29-July 2, 1998

#### *Editorial works*

- Editor of *Monograph Series on Computational Modelling of Forming Processes*, CIMNE, since 2003
- C. Agelet de Saracibar, M. Cervera (2001), Invited Editors of an Special Issue on "Computational Modeling of Forming Processes", *International Journal of Plasticity* 17 (2001)