

Agustí Pérez-Foguet

Department of Applied Mathematics
Escola Tècnica Superior d'Enginyers de Camins,
Canals i Ports de Barcelona (ETSECCPB)
Universitat Politècnica de Catalunya (UPC)
Jordi Girona, 1, C2-210B, Campus Nord
E-08034 Barcelona, Spain

Phone: 93 401 10 72
Fax: 93 401 18 25
e-mail: agusti.perez@upc.edu

Current position

Associate professor, Universitat Politècnica de Catalunya

Education

Ingeniero de Caminos, Canales y Puertos (Civil Engineering, minor in Geotechnical Eng.), Escola Tècnica Superior d'Enginyers de Camins, Canals i Ports de Barcelona (1996)
Dr. Ingeniería Civil, Universitat Politècnica de Catalunya (2000)

Research interests

Numerical methods in engineering
Mathematical modelling
Nonlinear computational mechanics
Development education in engineering

Career

Associate professor, Universitat Politècnica de Catalunya, since 2002
Lecturer, Universitat Politècnica de Catalunya, 1996-2002

Honors and awards

Premio Extraordinario de doctorado en Ingeniería Civil, Universitat Politècnica de Catalunya, 2003, Barcelona
Premio Juan Carlos Simó a Jovenes Investigadores, por la trayectoria científica y profesional, Sociedad Española de Métodos Numéricos en Ingeniería, 2002, Madrid (Premio trianual, 2ª edición)
Finalista en Erwin Stein Award con el artículo "Efficient and accurate approach for powder compaction problems", ICCES, 2001
Mención especial por la Tesina de Especialidad, XVIII Premio Dragados, 1997, Barcelona

Summary of journal publications

Journal	Impact factor	Number of papers
International Journal for Numerical Methods in Engineering	1.691	4
Computer Methods in Applied Mechanics and Engineering	1.252	2
Int. J. for Numerical and Analytical Methods in Geomechanics	0.594	2
Other indexed journals		2
Other papers in refereed journals		1

Selected publications (max. 5)

Perez-Foguet A, Rodriguez-Ferran A, Huerta A, Numerical differentiation for local and global tangent operators in computational plasticity, COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING 189 (1): 277-296 2000, Times Cited: 10

Perez-Foguet A, Rodriguez-Ferran A, Huerta A, Numerical differentiation for non-trivial consistent tangent matrices: an application to the MRS-Lade model, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING 48 (2): 159-184 MAY 20 2000, Times Cited: 8

Perez-Foguet A, Armero F, On the formulation of closest-point projection algorithms in elastoplasticity - part II: Globally convergent schemes, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING 53 (2): 331-374 JAN 20 2002, Times Cited: 7

Rodriguez-Ferran A, Perez-Foguet A, Huerta A, Arbitrary Lagrangian-Eulerian (ALE) formulation for hyperelastoplasticity, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING 53 (8): 1831-1851 MAR 20 2002, Times Cited: 6

Perez-Foguet A, Rodriguez-Ferran A, Huerta A, Consistent tangent matrices for density-dependent finite plasticity models, INTERNATIONAL JOURNAL FOR NUMERICAL AND ANALYTICAL METHODS IN GEOMECHANICS 25 (11): 1045-1075 SEP 2001, Times Cited: 4