

PERSONAL DATA

Birth date: July 25th, 1973.

Nationality: Argentine.

City of Residence: Buenos Aires, Argentina

Marital status: Married with 2 children

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Languages: Spanish and English.

STUDIES

Engineering Doctorate. (2004-...) Ongoing

University of Buenos Aires – Engineering Faculty

Area: “Large elastoplastic deformations in continuous media”

Master in Numerical Methods. (2002)

International Center for Numerical Methods – Polytechnic University of Catalonia.

Thesis: "Thermal model for convective heat exchangers calculation using finite elements "

Mechanical engineer. (1996)

Buenos Aires Institute of Technology.

PROFESSIONAL ACTIVITY

- Assistant Professor at the en el Buenos Aires Institute of Technology. (2000-...). Head of the Computational Mechanics Lab, Mechanical Engineering Department.
- Researcher at the Center for Industrial Research, Tenaris-Siderca. (2002-2004). Area: tubular products.
- Test engineer at Mirgor S.A. (1998-1999).
- Product engineer at Autoliv Argentina S.A.. (1997-1998). New products and processes development.
- Internship at Project / Processes at Santa Lucía Cristal. (1995-1997)

ACADEMIC ACTIVITY

- Academic coordinator of the area Heat and Fluids, (2005-...). ITBA
- Assistant Professor in charge of Finite Elements I and II (2000-...), Mechanical Design (2001-...), Automotive Structures (2007-...) y Numerical Analysis (2004-2007). ITBA
- Assistant Professor de Stability (2001-2004), Mechanics of Materials (2000-2004), Thermodynamics (2000-2002) and Heat Transfer (2001-2002). ITBA
- Lecturer of Finite Elements (1997-1998) y Plates and Shells (1997). ITBA
- Student assistant at Thermodynamics (1994-1995), Mechanics of Materials (1995) and Fourier analysis (1995). ITBA

PUBLICATIONS

S. D´hers and E.N. Dvorkin, "Modeling shear bands in J2 plasticity using a two-scale formulation via embedded strong discontinuity modes", Int. J. Numerical Methods in Engng., Vol. 77, pp.1015-1043, 2009.

SEMINARS

"Localization of deformation" - 2008 – Institute for Applied Mechanics and Technology IMATEC- Faculty of Engineering - University of Buenos Aires

CONGRESSES

- D´hers S., Dvorkin, E. N., "Modeling of strain localization via a two-scale formulation", XVII Congreso sobre Métodos Numéricos y sus Aplicaciones (ENIEF 2008), San Luis, Argentina, November 2008.
- D´hers S., Bucello P. A., Arregui M. N., Sibileau A. P., Cavaliere M. A. and Baralla E., "Modeling of electro resistance welding tube forming process", XVII Congreso sobre Métodos Numéricos y sus Aplicaciones (ENIEF 2008), San Luis, Argentina, November 2008.

- D´hers S., Dvorkin, E. N., “Modeling of Strain Localization in Brittle and Ductile Materials Via a Two-Scale Formulation”, 8th. World Congress on Computational Mechanics (WCCM8) and 5th. European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2008), Venice, July 2008.

FELLOWSHIP

TUAS – Tenaris University for advanced Studies –Doctorate fellowship (2004-...)

March, 2009