CURRICULUM VITAE

Name: Sergio Rodolfo Idelsohn
Date and place of birth: November 15, 1947, Paraná (Argentina)
Marital status: Married, three children.
Degree: Mechanic Engineer, Universidad Nacional de Rosario (Argentina) 1970
Postgraduate Studies: Ph.D. in Applied Sciences, University of Liege (Belgium) 1974
Research Interests: Computational Mechanics, Finite Element Methods in Structural Dynamics, Fluid Mechanics and Heat Transfer. Particle Methods.
Present Positions:

- **ICREA Research Professor** at the International Center for Numerical Methods in Engineering, University of Cataluña, Barcelona, Spain.
- **Senior Researcher** at the International Center for Numerical Methods in Engineering, University of Cataluña, Barcelona, Spain.
- **Full-time Professor**, National University of Litoral, Santa Fe, Argentina. (In leave of absence).

Scientific Dissemination Activities :

- Editor of the Journal "Métodos Numéricos para Cálculo y Diseño en Ingeniería".
- Member of the Editorial Board: "Computational Method in Applied Mechanics and Engineering".
- Member of the Editorial Board: "International Journal for Numerical Methods in Engineering".
- Member of the Editorial Board: "International Journal for Numerical Methods in Fluid".
- Secretary General of the International Association of Computational Mechanics (IACM). 2002-present.
- President of the "Asociación Argentina de Mecánica Computacional", AMCA. 1985-2005..
- Chairman of the IV World Congress of Computational Mechanics, (IV WCCM), July 1998, Buenos Aires, Argentina.

Publications:
On a total of **90 papers** included in the ISI Web of Knowledge on January 2007, there are **661 citations**. Average citations per Item = 7.34, h-index = 15.
Last publications:
"Particle Finite Element Method in Fluid Mechanics including Thermal Convection-Diffusion" . R. Aubry, S.R. Idelsohn and E. Oñate. **Computer and Structures,** Vol 83, Numbers 17-18, 1459-1475, (2005).
"To mesh or not to mesh. That is the question…", by S. R. Idelsohn and E. Oñate. **Computer Methods in Applied Mechanics and Engineering**, Volume 195, Issues 37-40, pp 4681-4696, (2006).
"The ALE/Lagrangian Particle Finite Element Method: A new approach to computation of free-surface flows and fluid-object interactions". By F. Del Pin, S. R. Idelsohn, E. Oñate and R. Aubry. **Computers and Fluids,** Vol. 36 Issue 1, pp 27-38 (2007).
"Fractional step like schemes for free-surface problems with thermal coupling using the Lagranguan PFEM" by R. Aubry, S. R. Idelsohn and E. Oñate. **Computational Mechanics**, Vol 38, Number 4-5 pp 294-309. (2006).
"Modeling bed erosion in freesurface flows by the particle finite element methods" by E. Oñate, M.A. Celigueta and S.R. Idelsohn. **Acta Geotechnica**, Vol 1, pp 237-252. (2006).
"The Violation of Objectivity in Laplace Formulations of the Navier-Stokes Equations" by A. Limache, S.R. Idelsohn, R. Rossi and E. Oñate. **International Journal for Numerical Methods in Fluid**. *Vol 54 Number 6-8 pp:639-664 (2007).*
"Unified Lagrangian Formulation for Elastic Solids and Incompressible Fluids. Application to Fluid-Structure Interaction Problems via the PFEM" by S.R. Idelsohn, J. Marti. A. Limache and E. Oñate. Accepted in **Computer Method in Applied Mechanics and Engineering**. (2007).