



**Simposio Internacional: Solitón: un concepto con extraordinaria diversidad de aplicaciones inter-, trans- y multidisciplinares. Desde el mundo macroscópico al nanoscópico**

*International Symposium: The soliton concept and its inter-, trans- and pluri-disciplinary ubiquity. Truth and consequences. From the macro- to the nano-world*

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**CV**

## **ENRIC VERDAGUER OMS**

Enric Verdaguer Oms, (Sant Vicenç de Torelló, Barcelona, 1950) since 1993 is Professor at University of Barcelona. He has been (2002-2007) Director of its Centre Especial de Recerca (Astrophysics, Particle Physics and Cosmology) and Director of its Department of Fundamental Physics (2007-2011). Graduated in Physics at Universidad de Barcelona (1973), and Ph. D in Physics at Autonomous University of Barcelona (1977). He has been postdoctoral researcher at University College Cardiff, U.K. (Oct. 1978 -- Sept. 1980) and ESA postdoctoral researcher at Institute of Astronomy Cambridge, U.K. (Oct. 1980 -- Sep. 1981). Visiting scholar, Enrico Fermi Institute, University of Chicago, Illinois (USA) (Feb. -- Jul. 1990). Visiting Research Professor, Department of Physics, University of Maryland, Maryland (2001).

His research interests are in postNewtonian theories of gravitation, Cosmology, soliton solutions of General Relativity, gravitational effect of cosmics cords, quantum field theory in curved spaces and creation of particles in Cosmology, decay of quantum vacuum and semiclassical, stochastic ad quantum gravity.

Book: "Gravitational Solitons" (with V. Belinski), Cambridge University Press (2001)  
Review papers: "Soliton solutions in spacetimes admitting two spacelike Killing fields" Phys. Rep. 229 (1993) 1-80; (with B. L. Hu) "Stochastic gravity: a primer with applications", Class. Quantum Grav. 20 (2003) R1-R42 (an Editorial Board 'Highlight of 2002-2003'); and (with B. L. Hu) "Stochastic gravity: theory and applications", Living Rev. Relativity 7 (2004) 3, 1-89 y (revised) Living Rev. Relativity 11 (2008) 3, 1-112.