SHORT CV

Born in Rome 29 May 1965.
PRESENT POSITION: Associate Professor of Mathematical Analysis.
EDUCATIONAL BACKGROUND:
1988 Laurea in Mathematics 110/110 Magna cum laude, University of Rome La Sapienza.
FELLOWSHIPS: C.I.R.A. (Italian Center for aerospace research) fellowship 1987. C.N.R.(National Research Council) fellowship 1989.
ACCADEMIC CAREER: November 1991 -October 2005, Assistant Professor (Mathematical Analysis) at the University of Rome La Sapienza . 1993, Ph.D. in Applied and Theoretical Mechanics. November 2005- present, Associate Professor in Mathematical Analysis.
RESEARCH INTERESTS: Dirichlet forms and fractals,functional spaces on d-sets, fractals, boundary value problems in domains with boundary and/or interface of fractal type.Non linear energy forms on unbounded self-similar fractal sets.Energy forms on non self-similar fractal sets. Heat diffusion on fractal domains. Semilinear evolution problems in fractal domains. Numerical approximation of some BVP's in Prefractal domains.Subelliptic operators of Hoermander type.Linear and non linear elasticity. BVPs in domains with edges and singularities: boundary integral formulations for some problems in fluidodynamics.
PROFESSIONAL SOCIETIES/ MEMBERSHIPS
UMI (Italian Mathematical Union) SIMAI (Italian Society of industrial Applied mathematics)GNAMPA (National Group of Mathematical Analysis, Propability and its applications)
PROFESSIONAL EXPERIENCE
Reviewer of AMS (Americal Mathematical Society)
Reviewer of J.of Computational physics, Physica D, Applicable Analysis,Mathematical Methods in the Applied Sciences, NORWA.
Reviewer for F.I.R.B.(M.I.U.R),A.N.V.U.R.
Member of the Editorial board of Discrete Mathematics
MEMBERSHIPS OF RESEARCH PROJECTS/ACTIVITIES

COFIN 1998 Dirichlet forms and fractals,COFIN2003:Non linear differential problems algorithms, analysis and applications,COFIN 2005:Extension of continuum physics to non regular bodies. Progetti di ateneo 2000-2008,P.I. of Progetto di Ateneo Federato 2008: Heat diffusion on fractal domains, P.I. Progetto di Ateneo Federato 2009: Transmission phenomena across fractal structures. P.I.of Progetti di Ricerca di Universita' 2013 : Diffusion phenomena across fractal structures