

Curriculum Vitae di Alberto Giulio Setti

Posizione Attuale:

2001 - : Professore Ordinario SSD MAT/05 Analisi Matematica

2003 - : Presidente del Consiglio di Coordinamento Didattico in Matematica

2012-2015: Pesquisador Visitante Especial, programa Ciencia sem Fronteras, projeto 020/2012, "Propriedades estocasticas das variedades riemannianas e applicacoes as equacoes differenciais parciais", CAPES, Brasil.

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Istruzione:

Ph.D. in Mathematics, Cornell University, Ithaca, NY, USA

Laurea in Fisica, Universita' di Milano

Interessi di Ricerca: Analisi Globale, Equazioni Differenziali, Geometria Riemanniana.

Pubbliazioni recenti:

[17] G. Pacelli Bessa, J.H. De Lira, S. Pigola, A.G. Setti, Curvature estimates for submanifolds immersed into horocylinders, *Journal Math. Anal. Appl.*, accettato per la pubblicazione.

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[15] S. Pigola, A.G. Setti, M. Troyanov, The connectivity at infinity of a manifold and $L_{q,p}$ -Sobolev inequalities. *Expo Math.* 32 (2014), 365–383

[14] S. Pigola, A.G. Setti, Global divergence theorems in nonlinear PDEs and geometry. *Ensaio Matemáticos [Mathematical Surveys]* 26 *Sociedade Brasileira de Matemática, Rio de Janeiro*, 2014. ii+77 pp. ISBN: 978-85-8337-022-2

[13] G. Pacelli Bessa, P. Stefano, A.G. Setti, On submanifolds of highly negatively curved spaces. *Internat. J. Math.* 25 (2014), 15 pp.

[12] G. Pacelli Bessa, S. Pigola, A.G. Setti, On the L_1 -Liouville property of stochastically incomplete manifolds. *Potential Anal.* 39 (2013), 313–324.

[11] P. Martinot, E. Pedon, A. G. Setti, The Shifted Wave Equation on Damek–Ricci Spaces and on Homogeneous Trees. In: Picardello, Massimo A. (Ed.), *Trends in Harmonic Analysis Springer INdAM Series*, Vol. 3, 1–26. Springer Verlag, Berlin (2013)

[10] G. Pacelli Bessa, Stefano Pigola, Alberto G. Setti, Stochastic Properties of Riemannian Manifolds and Applications to PDE's. In: Picardello, Massimo A. (Ed.), *Trends in Harmonic Analysis Springer INdAM Series*, Vol. 3, 381–398. Springer Verlag, Berlin (2013)

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- [7] P. Mastrolia, M. Rigoli, A. G. Setti, Yamabe-type Equations on Complete, Noncompact Manifolds. *Progress in Mathematics* 302, Birkhäuser Verlag, Basel, 2012. viii+256 pp (2012)
- [6] S. Pigola and A.G. Setti, The Feller property on Riemannian manifolds, *Jour. Funct. Anal.* 262 (2012), 2481-2515
- [5] S. Pigola, M. Rigoli, M. Rimoldi, A.G. Setti, Ricci almost solitons. *Ann. Sc. Norm. Sup. Pisa X*, 4 (2012), 757-799
- [4] S. Pigola, M. Rimoldi, A.G. Setti, Remarks on non-compact gradient Ricci solitons. *Math. Z.* 268 (2011), no. 3-4, 777-790
- [3] M. G. Cowling, S. Meda, A. G. Setti, A weak type $(1,1)$ estimate for a maximal operator on a group of isometries of a homogeneous tree. *Colloq. Math.* 118 (2010), no. 1, 223-232
- [2] S. Pigola, M. Rigoli, A. G. Setti, Existence and non-existence results for a logistic-type equation on manifolds. *Trans. Amer. Math. Soc.* 362 (2010), no. 4, 1907-1936.
- [1] L. Mari, M. Rigoli, A. G. Setti, Keller-Osserman conditions for diffusion-type operators on Riemannian manifolds. *J. Funct. Anal.* 258 (2010), no. 2, 665-712.