

CURRICULUM VITAE

Ilaria Fragalà, born in Milano, 30/8/72

*95: Degree in Mathematics cum laude, University of Pisa (graduated at Scuola Normale Superiore). *95 and 99: CNR research fellowships *00: PhD in Mathematics, University of Pisa. Advisor G. Buttazzo *99-02: Researcher, Politecnico di Milano *01: Qualification as associate professor at the University of L'Aquila *02-15: Associate professor, Politecnico di Milano *16-today: Full professor, Politecnico di Milano

FIELDS OF INTEREST: Calculus of variations, shape optimization, partial differential equations.

PUBLICATIONS: Author of 70 papers on peer-reviewed journals. The detailed list is available at: https://www.mate.polimi.it/servizi/webpace/pp/33/Papers_IF.pdf

FUNDED PROJECTS: Coordinator of the national projects "Geometric problems in the Calculus of Variations"(10), "Optimization problems and geometric-functional inequalities" (11), "Geometric issues for some non-standard elliptic and variational problems" (14), "Overdetermined problems and shape optimization" (17), funded by GNAMPA. Responsible of the PhD project "Optimization of the elastic compliance of thin structures", funded by the French-Italian University (10-12).

SUPERVISING: Advisor of: PhD Thesis of N. Desenzani, University of Milano, Specialistic Degree Thesis of A. Zanzottera, PoliMi, PhD Thesis of I. Lucardesi, PoliMi.

VISITING: ETH Zurich, EPFL Lausanne, University of Toulon, University of Savoie, ENS Cachan, University of Nancy.

LECTURES: Lectures in the several international workshops, including in recent years: 58-th Workshop on Variational Analysis, Erice (12); Shape Optimization Problems and Spectral Theory, Luminy (12); Variational Problems with Multiple Scales, Otranto (12); Geometric and Analytic Techniques in Calculus of Variations and Partial Differential Equations, Pisa (12); Third workshop on Thin Structures, Napoli (13); Shape and Topological Optimization, RICAM, Linz (14); Shape Optimization and Spectral Geometry, Edinburgh (15); International Workshop on Calculus of Variations and its Applications, Lisboa (15); Advances in Nonlinear Problems from Materials Science and Shape Optimization, Pisa (16); Calculus of Variations, Optimal Transportation, and Geometric Measure Theory: from Theory to Applications, Lyon (16); Shape Optimization and Geometric and Functional Inequalities, Luminy (16); New Trends in Shape Optimization, Breitenbach (17); XXVIII Convegno Nazionale di Calcolo delle Variazioni, Levico Terme (18); Copdesc-Workshop on Calculus of Variations and Nonlinear Partial Differential Equations, Regensburg (19).

REFEREING: Referee for several journals including: AIMS Proceedings, Analysis and PDE's, Ann. Mat. Pura Appl., Arch. Rat. Mech. Anal, Calc. Var. Partial Differential Equations, ESAIM: COCV, Glas. Mat., J. Convex Anal., J. Math. Anal. Appl., Milan J. Math, Monatsh. Math., SIAM J. Math. Anal., J. Mech. Phys. Solids. Referee for Phd Theses at: University of Roma Tre, Universidad Complutense de Madrid, Université de Toulon, Ecole Polytechnique de Paris.

ORGANIZATION ACTIVITIES /COMMITTEES: Organization of two international workshops in Pisa, with P. Albano and L. De Pascale. Member of several committees (for: the admittance to the PhD, two positions of researcher, a position of associate professor). Evaluator for: Italian VQR, French national agency of research evaluation, Marie-Curie Actions CoFund. Organization with M. Bardi, of the session in Calculus of Variations and Optimal Control of the national congress of the Unione Matematica Italiana in Pavia (19).

DIDACTICS: More than 30 Courses in Analysis I, Analysis II, Analysis III, Geometry, at Politecnico di Milano; Course on variational models for PhD students, Politecnico di Milano; one weak course at an international summer school at CIRM (Luminy); one weak course at the INDAM intensive period on Shape optimization, control and inverse problems for PDEs (Napoli).