



Matteo Rocca



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Contact data

Associate Professor

Department of Economics
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Biography

Date of birth: September 19, 1969

Research interests

Nonsmooth optimization, scalar and vector optimization, generalized and abstract convexity, variational inequalities.

Teaching experience and appointments

Courses: Mathematics, Mathematical Methods for Economics

Representative publications

A selection of recent publications:

- 1) Miglierina E., Molho E., Rocca M., Well-posedness and scalarization in vector optimization, *Journal of Optimization Theory and Applications*, 126 (2005), no. 2, 391--409.
- 2) Ginchev, I.; Guerraggio, A.; Rocca, M., Isolated minimizers and proper efficiency for $C\{0,1\}$ constrained vector optimization problems. *Journal of Mathematical Analysis and Applications* 309 (2005), no. 1, 353--368.
- 3) Ginchev I., Guerraggio A., Rocca M., Second-order conditions in $C_{1,1}$ constrained vector optimization, *Mathematical Programming Ser. B*, 105 (2005), 389—405
- 4) Crespi G.P., Ginchev I., Rocca M., Existence of solutions and star-shapedness in Minty variational inequalities, *Journal of Global Optimization*, 32 (2005), 485—494.
- 5) Crespi, G. P.; Ginchev, I.; Rocca, M. Minty variational inequalities, increase-along-rays property and optimization. *J. Optim. Theory Appl.* 123 (2004), no. 3, 479--496.
- 6) La Torre, D.; Rocca, M. Mean value theorem for continuous vector functions by smooth approximations. *Appl. Math. Lett.* 17 (2004), no. 7, 791--794.