



**Enrico Miglierina**

 UNIVERSITY OF INSUBRIA



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## Contact data

### Associate Professor

Department of Economics  
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## Biography

Born: November 11, 1969, in Varese, Italy  
Education: Doctorate in Mathematical methods for economic decisions,  
University of Trieste

### Academic positions:

Assistant professor, School of Economics, University of Insubria,  
November, 2000 - February 28, 2005  
Associate Professor, School of Economics, University of Insubria,  
March, 2005

## Research interests

Theory of vector optimization.  
Nonlinear programming  
Variational analysis

## Teaching experience and appointments

Teaching the following courses:  
Mathematics (basic level)  
Operation Research  
Decision Theory

## Representative publications

### Articles

"Characterization of Solutions of Multiobjective Optimization Problem",  
Rendiconti del Circolo Matematico di Palermo, vol. 51, 2001, pp. 153-164.

"Scalarization and its Stability in Vector Optimization" (with E. Molho),  
Journal of Optimization Theory and Applications, vol 114, n. 3, 2002,  
pp. 657-670.

"Stability of critical points for vector valued functions and Pareto efficiency",  
Journal of Information & Optimization Sciences, vol. 24, n. 2, 2003, pp. 413-422.

"Well-posedness and convexity in vector optimization" (with E. Molho),  
Mathematical Methods of Operations Research, vol.58, 2003,  
pp. 375-385.

"Slow solutions of differential inclusions and vector optimization",  
Set-Valued Analysis, vol. 12, 2004, pp. 345-356.

"Convergence of minimal sets in convex vector optimization" (with E. Molho ), SIAM Journal on Optimization, vol. 15, 2005, pp. 513-526.

"Stability for convex vector optimization problems" (with R. Lucchetti), Optimization, vol. 53, 2004, pp. 517-528.

"Well-posedness and scalarization in vector optimization" (with E. Molho, M. Rocca), Journal of Optimization Theory and Applications, vol. 126, 2005, pp. 391-409.

#### **Proceedings**

"Invex Functions on Differentiable Manifolds" in "Generalized convexity and optimization for economic and financial decisions", (eds. G. Giorgi, F. Rossi) Verona 28-29 maggio 1998; Pitagora Editrice, Bologna, 1999, pp. 299-311.

"Stability in vector optimization" (with E. Molho, A. Zaffaroni) in "Optimization in Economics, Finance and Industry" - Proceedings of the workshop held in Verona, June 14/15th 2001 (G.P. Crespi, G. Giorgi, A. Guerraggio, D. La Torre, E. Miglierina, M. Rocca eds.), Datanova, Milano, 2002, pp. 185-198.

"Generalized convexity and well-posedness in vector optimization" (with E. Molho) in "Recent Advances in Optimization" - Proceedings of the workshop held in Varese, June 13/14th 2002 (G.P. Crespi, A. Guerraggio, E. Miglierina, M. Rocca eds.), Datanova, Milano, 2003, pp. 131-138.

#### **Editor of :**

"Optimization in Economics, Finance and Industry"- Proceedings of the workshop held in Verona, June 14/15th 2001 (G.P. Crespi, G. Giorgi, A. Guerraggio, D. La Torre, E. Miglierina, M. Rocca eds.), Datanova, Milano, 2002.

"Recent Advances in Optimization"- Proceedings of the workshop held in Varese, June 13/14th 2002 (G.P. Crespi, A. Guerraggio, E. Miglierina, M. Rocca eds.), Datanova, Milano, 2003.