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Personal information

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Degrees

Laurea in Mathematics: University of Naples, Italy, June 1981.
Dissertation Topic: Nonlinear parameter estimation

Professional career

December 2021–
Coordinator Math Division, School of Science and Technology.

November 2017–
Rector Delegate for Student and Staff International Mobility, Memorandum of Understanding and Linguistic skills, University of Camerino.

April 2016–
Mobility Manager, University of Camerino.

April 2015–October 2017
Coordinator Math Division, School of Science and Technology.

November 2013–October 2017
Vice Director, School of Science and Technology.

December 2013–October 2017
Director of Didactic Committee Percorsi Abilitanti Speciali UNICAM.

September 2013–October 2017
President of Council of Tirocinio Formativo Attivo (TFA) program UNICAM.

February 2013–October 2017
Rector Delegate for Erasmus International Mobility.

January 2007–December 2011
President of AIRO, Italian Association of Operations Research.

November 2009–March 2012
Chairman Mathematical Section, School of Science and Technology, Università di Camerino, Camerino, Italy.

November 2006–November 2009
Chairman Mathematics Program,Università di Camerino, Camerino, Italy.

November 2006––
Director of the Master in "Trasporti ed Infomobilità",Università di Camerino, Camerino, Italy.

November 2004––
Full Professor, Operations Research, Faculty of Science and Technology, Università di Camerino, Camerino, Italy.

December 2002–October 2006
Chairman Mathematics and Computer Science Department, Università di Camerino, Camerino, Italy.

November 2001–October 2004
Professore Straordinario, Settore Scientifico Disciplinare MAT/09 Ricerca Operativa, Facoltà di Scienze MM.FF.NN., Università di Camerino, Camerino, Italy.

November 1993–October 2001
Associate Professor, Operations Research, Faculty of Sciences, Università di Camerino, Camerino, Italy.

August 1987–October1993
Visiting Assistant Professor, Computer Sciences Department, University of Wisconsin, Madison, WI, USA.

August 1988–October1993
Visiting Assistant Professor, Center for the Mathematical Sciences, University of Wisconsin, Madison, WI, USA.

May 1992–June 1992
Professore a Contratto, Dipartimento di Informatica e Applicazioni, Università di Salerno, Salerno, Italy.

May 1991–June 1991
Visiting Professor, Dipartimento di Informatica e Applicazioni, Università di Salerno, Salerno, Italy.

May 1990–June 1990
Visiting Professor, Dipartimento di Informatica e Applicazioni, Universitá di Salerno, Salerno, Italy.

January –July 1987
Lecturer, Computer Sciences Department, University of Wisconsin, Madison, WI, USA.

June 1985–December 1986
Research Associate on the Crystal Project, Computer Sciences Department, University of Wisconsin, Madison, WI, USA.

June 1985–August 1988
Research Associate, Center for the Mathematical Sciences, University of Wisconsin, Madison, WI, USA.

October 1984–March 1985
Honorary Fellow, Mathematics Research Center, University of Wisconsin, Madison, WI, USA. Grant recipient from Italian National Council of Research.

December 1982–June 1988
Research Scientist, CRAI, Consorzio per la Ricerca e le Applicazioni in Informatica, Rende (CS), Italy (on leave since October 1984).

December 1981–December 1982
Research Trainee, CRAI, Consorzio per la Ricerca e le Applicazioni in Informatica, Rende (CS), Italy.

Scientific areas of interest

Mathematical Programming, Classification and Regression problems, Optimization in Machine Learning, Support Vector Machines, Large-Scale Optimization, Linear and Integer Programming.

Patents and Inventions

"Method for Radiation Therapy planning", a method to control tomotherapy beam dose, with J. Deasy, patent No. 5,418,827.

Publications

[1] R. De Leone, M. Gaudioso, and L. Grippo. Stopping criteria for linesearch methods without derivatives. *Mathematical Programming*, 30:285–300, 1984.

[2] O.L. Mangasarian and R. De Leone. Parallel successive overrelaxation methods for symmetric linear complementarity problems and linear programs. *Journal of Optimization Theory and Applications*, 54(3):437–446, 1987.

[3] O.L. Mangasarian and R. De Leone. Error bounds for strongly convex programs and (super)linearly convergent iterative schemes for the least 2-norm solution of linear programs. *Applied Mathematics and Optimization*, 17:1–14, 1988.

[4] O.L. Mangasarian and R. De Leone. Parallel gradient projection successive overrelaxation for symmetric linear complementarity problems and linear programs. *Annals of Operation Research*, 14:41–59, 1988.

[5] R. De Leone and O.L. Mangasarian. Asynchronous parallel successive overrelaxation for the symmetric linear complementarity problem. *Mathematical Programming , Series B*, 42:347–361, 1988.

[6] R. De Leone and O.L. Mangasarian. Serial and parallel solution of large scale linear programs by augmented Lagrangian successive overrelaxation. In A. Kurzhanski, K. Neumann, and D. Pallaschke, editors, *Optimization, parallel processing and applications*, pages 103–124. Springer Verlag, Berlin, 1988.

[7] R. De Leone, O.L. Mangasarian, and T-.H. Shiau. Multi-sweep asynchronous parallel successive overrelaxation for the nonsymmetric linear complementarity problem. *Annals of Operations Research*, 22:43–54, 1990.

[8] R. De Leone and T.H. Ow. Parallel implementation of the Lemke's algorithm on the hypercube. *ORSA Journal on Computing*, 3(1):56–62, 1991.

[9] R. De Leone. Partially and totally asynchronous algorithms for linear complementarity problems. *Journal of Optimization Theory and Applications*, 69(2):235–249, 1991.

[10] M. Rim, R. Jain, and R. De Leone. Optimal resource allocation and binding in high–level synthesis. In *Proceedings of the 29th ACM/IEEE Design Automation Conference*, pages 120–123, 1992.

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[12] R. De Leone and M.A. Tork Roth. Serial and massively parallel SOR algorithms for large–scale engineering problems. *Coal Bulletin*, (2):20–31, 1992.

[13] R. De Leone and M.A. Tork Roth. Massively parallel solution of quadratic program via successive overrelaxation. *Concurrency Practice and Experience*, 5(8):623–634, 1993.

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[16] B. Narendran, R. De Leone, and P. Tiwari. Min-cost flows: a case study in increasing parallelism in solving unstructured graph algorithms. DIMACS Workshop on Parallel Algorithms for Unstructured and Dynamic problems, 1993.

[17] A. Mujumdar, M. Rim, R. Jain, and R. De Leone. BINET: An algorithm for solving the binding problem. In *7th International Conference on VLSI Design*, pages 163–168, 1994.

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habits in healthy adults: an assessment using standard statistical analysis and support vector machines. *International Journal of Food Sciences and Nutrition*, pages 994–1002, 2014.

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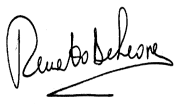

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