Renato De Leone

Business Address
School of Science and Technology
Università di Camerino
via Madonna delle Carceri
62032 Camerino (MC) ITALY

Personal information

Nationality: Italian

E–mail: *renato.deleone@unicam.it*

Web: `http://www.unicam.it/~renato.deleone`

Degrees

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

Professional career

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, IOperations 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.

Major areas of interest

  Mathematical Programming, Large-Scale Parallel Optimization, Transportation problems, Classification problems, Linear and Integer Programming.

Professional activities

University Course Reviewer for CRUI (Conferenza dei Rettori delle Università Italiane) since May 2004.

Enrolled in the Register of Expert in Course Evaluation, ANVUR, Italian, University Ministry.

Editorial Board *Computational Optimization and Applications, Optimization Letters, Central European Journal of Computer Science*

Member: Informs, Society for Industrial and Applied Mathematics, Mathematical Programming Society, SIMAI, Unione Matematica Italiana.

Referee: Mathematical Programming, SIAM Journal on Optimization, Informs Journal on Computing, Journal of Optimization Theory and Applications. McGraw–Hill, College Division.

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

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

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

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

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

[10] Rim, M., 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.

[11] De Leone, R., R. Jain, and K. Straus: *Solution of multiple-choice knapsack problem encountered in high-level synthesis of VLSI circuits.* International Journal of Computer Mathematics, 47:163–176, 1993.

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

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

[14] De Leone, R., M. Gaudioso, and M.F. Monaco: *Nonsmooth optimization methods for parallel decomposition of multicommodity flow problems*. Annals of Operations Research, 44:299–311, 1993.

[15] Narendran, B., R. De Leone, and P. Tiwari: *An implementation of the ϵ-relaxation algorithm on CM-5*. In *Proceedings of 5th Annual ACM Symposium on Parallel Algorithms and Architectures*, pages 183–192, 1993.

[16] Narendran, B., 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] Mujumdar, A., 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.

[18] Rim, M., A. Mujumdar, R. Jain, and R. De Leone: *Optimal and heuristic algorithms for solving the binding problem*. IEEE Transactions on Vary Large Scale Integration (VLSI) Systems, 2(2):211–225, June 1994.

[19] Deasy, J.O., T.W. Holmes, T.R. Mackie, and R. De Leone: *Coplanar beam weight optimization: Electrostatic model and iterative adjustement*. XIth International Conference on Computer Radiation Therapy, 1994, 1994.

[20] Deasy, J.O., T.W. Holmes, T.R. Mackie, and R. De Leone: *Beam weight optimization using the minos coputer code*. XIth International Conference on Computer Radiation Therapy, 1994, 1994.

[21] Cerulli, R., R. De Leone, and G. Piacente: *A modified auction algorithm for the shortest path problem*. Optimization Methods & Software, 4(3):209–224, 1994.

[22] De Leone, R., R.R. Meyer, S. Kontogiorgis, A. Zakarian, and G. Zakeri: *Coordination in coarse–grain decomposition*. SIAM Journal on Optimization, 4(4):777–793, November 1994.

[23] Sherif, S., B. Saleh, and R. De Leone: *Binary image synthesis using mixed linear integer programming.* IEEE Transactions on Image Processing, 4(9):1252–1257, 1995.

[24] Culmone, R., R. De Leone, and E. Merelli: *Un modello di reti neuronali per la previsione di dissesti idrogeologici, (extended abstract).* In *Atti, Giornate di Lavoro AIRO '95*, pages 225–229, 1995.

[25] Cerulli, R. and R. De Leone: *Un algoritmo parallelo per problemi di cammino minimo (extended abstract).* In *Atti, Giornate di Lavoro AIRO '95*, pages 333–334, 1995.

[26] De Leone, R., E. Merelli, and R. Capparuccia: *A modified back propagation algorithm for neural network training, (extended abstract).* In *Atti, Giornate di Lavoro AIRO '95*, pages 239–242, 1995.

[27] Kontogiorgis, S., R. De Leone, and R.R. Meyer: *Alternating direction splittings for block angular parallel optimization.* Journal of Optimization Theory and Applications, 90:1–29, 1996.

[28] De Leone, R., E. Merelli, and S. Buti: *Massively parallel solution of large scale network flow problems.* In Di Pillo, G. and F. Giannessi (editors): *Nonlinear Optimization and Applications*, pages 49–74. Plenum, 1996.

[29] De Leone, R., E. Merelli, and F. Paoletti: *A new model for ranking efficient units in DEA.* In *Atti, Giornate di Lavoro AIRO '96*, pages 171–173, 1996.

[30] De Leone, R. and E. Merelli: *Data Envelopment Analysis: an introduction.* In *Atti del Corso AIRO "Logistica su calcolatore per la pianificazione della produzione nelle piccole e medie imprese"*, pages 73–82, 1997.

[31] De Leone, R., E. Merelli, and R. Capparuccia: *A successive overrelaxation backpropagation algorithm for neural–network training.* IEEE Transaction on Neural Networks, 9(3):381–388, 1998.

[32] Capalbo, V., R. De Leone, and M. Gaudioso: *The cobweb method for minimizing convex functions.* In De Leone, R., A. Murli, P.M. Pardalos, and G. Toraldo (editors): *High Performace Algorithms and Software in Nonlinear Optimization*. Kluwer Academic, 1998.

[33] De Leone, R., A. Murli, P.M. Pardalos, and G. Toraldo (editors): *High Performance Algorithms and Software in Nonlinear Optimization.* Kluwer Academic, 1998.

[34] De Leone, R. and F. Malucelli (editors): *La Ricerca Operativa al servizio della società*, number 68 in *Ricerca Operativa.* Franco Angeli, 1998.

[35] De Leone, R., R.R. Meyer, and A. Zakarian: *A partitioned ϵ–relaxation algorithm for separable convex network flow problems.* Computational Optimization and Applications, 12(1):107–126, 1999.

[36] De Leone, R. and D. Pretolani: *Auction algorithms for shortest hyperpath problems.* SIAM Journal on Optimization, 11(1):149–159, 2000.

[37] De Leone, R. and C. Lazzari: *Measuring efficiency using data envelopment analysis.* Rendiconti del Circolo Matematico di Palermo, Serie II, Numero 58, 1999.

[38] De Leone, R.: *An analysis of efficiency of italian universities using dea.* In *Atti, Giornate di Lavoro AIRO '99*, page 55, 1999.

[39] Capparuccia, R., L. Lauri, and R. De Leone: *An application of neural networks to postal service automation.* In *Atti, Giornate di Lavoro AIRO '99*, pages 145–146, 1999.

[40] De Leone, R.: *Data Envelopment Analysis.* In Floudas, C.A and P. Pardalos (editors): *Encyclopaedia of Optimization.* Kluwer Academic Publisher, 2000.

[41] De Leone, R., E. Marchitto, and A.G. Quaranta: *Autoregressione e reti neurali artificiali per la previsione finanziaria.* Registrato Prefettura di Macerata, 2004.

[42] De Leone, R., P. Festa, and E. Marchitto: *A GRASP for the bus driver scheduling problem*, 2005. Proceedings of the Sixth Metaheuristics International Conference (MIC2005),, Vienna, Austria, August 22-26, 2005.

[43] De Leone, R.: *A parallel algorithm for support vector machines training and quadratic optimization problems.* Optimization Methods and Software, 20(2–3):373–381, 2005.

[44] De Leone, R., E. Marchitto, and A.G. Quaranta: *Autoregression and artificial neural networks for financial market forecast.* Neural Network World, 2(2):109–128, 2006.

[45] De Leone, R., P. Festa, and E. Marchitto: *The bus driver scheduling problem: a new mathematical model and a grasp approximate solution.* Technical Report 22, Università di Napoli Federico II, Dipartimento di Matematica e Applicazioni, 2006.

[46] De Leone, R., P. Festa, and E. Marchitto: *The transportation planning system for the vehicle and bus driver scheduling.* Technical Report 64, Università di Napoli Federico II, Dipartimento di Matematica e Applicazioni, 2006.

[47] Bailetti, L., R. De Leone, C. Elisei, M. Farina, and E. Marchitto: *Cluster analysis, artificial neural networks and support vector machines in sensorial analysis*, 26-29 September 2006. A Sense of Diversity, Second Conference on Sensory Consumer Science of Food and Beverages World Forum Convention Center, The Hague, The Netherlands.

[48] De Leone, R., P. Festa, E. Marchitto, and A. Pieralisi: *Sistemi di pianificazione dei trasporti*, 2006. ImpresAIRO Casi di studio nelle Imprese.

[49] De Leone, R., P. Festa, E. Marchitto, and A. Pieralisi: *Sistemi di pianificazione dei trasporti*, 2006. AIRONews.

[50] Colorni, A., R. Wolfer Calvo, R. De Leone, and et al.: *Informobility and logistics on urban and regional networks*, September 2006. Proceedings of the EWGT 2006 Joint Conferences.

[51] Hillier, F.S. and G.J. Lieberman: *Ricerca Operativa Ottava Edizione a cura di Renato De Leone.* McGraw–Hill, 2006.

[52] Capparuccia, R., R. De Leone, and E. Marchitto: *Integrating support vector machine and neural network.* Neural Networks, 20:590–597, 2007.

[53] D'Annibale, G, R. De Leone, P. Festa, and E. Marchitto: *A new meta–heuristic for the bus driver scheduling problem: Grasp combined with rollout*, 2007. IEEE Symposium on Computational Intelligence and Scheduling, SCIS '07 (doi: 10.1109/SCIS.2007.367689).

[54] De Leone, R., P. Festa, and E. Marchitto: *New hybrid heuristics for the bus driver scheduling problem*, 2007. Proceedings of the Seventh Metaheuristics International Conference (MIC 2007), Montreal, Canada, June 25–29.

[55] De Leone, R., P. Festa, and E. Marchitto: *A hybrid grasp with rollout for the bus driver scheduling problem.* International Journal of Information Technology and Intelligent Computing, 2(4):1–20, 2008.

[56] De Leone, R. and C. Lazzari: *Esercizi di Programmazione Lineare e Programmazione Lineare Intera.* Aracne, Roma, 2008, ISBN 978–88–548–1457–8.

[57] De Leone, R., N. Di Girolamo, G.P. Di Muro, and Marchitto E.: *Pianificazione, programmazione e gestione innovativa per il Trasporto Pubblico Locale.* Aracne, Roma, 2008.

[58] Marchitto, E., G. Bocci, R. De Leone, and V. Maccari: *Neural networks and application of the dosage of the oral anticoagulant warfarin coumadin.* submitted to *Neural Network World*, 2008.

[59] De Leone, R., E. Marchitto, and A. Pieralisi: *Ottimizzazione dei turni dei veicoli e del personale viaggiante nel settore del trasporto pubblico locale.* Matematica Impresa,, 1, 2008.

[60] De Leone, R., E. Marchitto, and A. Pieralisi: *Ottimizzazione dei turni dei veicoli e del personale viaggiante nel settore del trasporto pubblico locale.* In Felici, G. and A. Sciomachen (editors): *Scienze delle decisioni in Italia: applicazioni della riceca operativa a problemi industriali*, page 55, 2008.

[61] Hillier, F.S. and G.J. Lieberman: *Ricerca Operativa Nona Edizione a cura di Daniela Ambrosino, Renato De Leone, Anna Sciomachen.* McGraw–Hill, 2009.

[62] De Leone, R., P. Festa, and E. Marchitto: *Solving a bus driver scheduling problem with randomized multistart heuristics*, 2009. Proceedings of EU MEeting 2009, Porto, Portugal, April 29-30.

[63] De Leone, R.: *A brief overview of the origin of operations research and linear programming: Learning from the past to build a stronger future,*

2009. Dipartimento di Matematica Applicata, Università Ca' Foscari. Venezia, ISBN: 9788888037356.

[64] Belardinelli, S., M. Ciambotti, and R. De Leone: *Il Trasporto Pubblico Locale, un percorso di efficienza e qualità: il modello Marche*. 2010. Atti del convegno Jesi, 2 ottobre 2009. 11

[65] De Leone, R. and S. Scortichini: *Sistemi di valutazione dell'efficienza nel trasporto pubblico locale*. [64], pages 43–54. Atti del convegno Jesi, 2 ottobre 2009.

[66] De Leone, R. and C. Lazzari: *Error bound with application to the indentification of active constraints for support vector machine*. Optimization Methods and Software, 25(2):185–202, 2010.

[67] De Leone, R., P. Festa, and E. Marchitto: *A bus driver scheduling problem: a new mathematical model and a grasp approximate solution*. Journal of Heuristics, 17:441–466, 2011.

[68] De Leone, R., P. Festa, and E. Marchitto: *Solving a bus driver scheduling problem with randomized multistart heuristics*. International Transactions in Operational Research, 18(6):707–727, 2011.

[69] De Leone, R.: *Support vector regression for time series analysis*. In *Operations Research Proceedings 2010*, pages 33–38, Berlin, 3, 2010 2011. Springer.

[70] De Cosmis, S. and R. De Leone: *The use of grossone in mathematical programming and operations research*. Applied Mathematics and Computation, 218(16):8029–8038, 2012. www.scopus.com.

[71] De Cosmis, S. and R. De Leone: *Support vector machine for robust regression*. In COMTESSA (editor): *Proceedings of the CTW 2012 11th Cologne-Twente Workshop on Graph and Combinatorial Optimization*, pages 96–99, 2012, ISBN 978-3-943207-05-7.

[72] De Cosmis, S., R. De Leone, E. Kropa, S. Meyer-Nieberg, S. Pickl, and J. Rosati: *Electric load forecasting: An experimental comparison*. In COMTESSA (editor): *Proceedings of the CTW 2012 11th Cologne-Twente Workshop on Graph and Combinatorial Optimization*, pages 100–103, 2012, ISBN 978-3-943207-05-7.

[73] Pellegrini, M., R. De Leone, and P. Maponi: *Adaptive sampling for embedded software systrems using svms: Application to water level sensors.* In COMTESSA (editor): *Proceedings of the CTW 2012 11th Cologne-Twente Workshop on Graph and Combinatorial Optimization*, pages 100–103, 2012, ISBN 978-3-943207-05-7.

[74] Patrizi, G., V. Pietropaolo, A. Carbone, R. De Leone, Di Giacomo. L., V. Losacco, and G. Patrizi: *Nonlinear recognition methods for oncological pathologies.* In *Data Mining for Biomarker Discovery*, pages 169–186, New York Dordrecht Heidelberg London, 2012. Springer.

[75] Pellegrini, M., R. De Leone, and P. Maponi: *Reducing power consuption in hydrometric level sensor network using support vector machines.* In PECCS (editor): *Proceedings of the PECCS 2013 International Conference on Pervasive and Embedded Computing and Communication Systems*, pages 229–232, 2013, ISBN 9789898565433.

[76] Lucheroni, C and R. De Leone: *Panel modelling of electricity prices: Linear and nonlinear regression approaches2013 10th international conference on the european energy market (eem).* In *2013 10th International Conference on the European Energy Market (EEM)*, pages 1–8, Piscataway, NJ, USA – USA, 27-31 May 2013. IEEE Institute of Electrical and Electronics Eng. http://dx.medra.org/10.1109/EEM.2013.6607303.

[77] De Cosmis, S., R. De Leone, E. Kropat, S. Meyer-Nieberg, and S. Pickl: *Electric load forecasting using support vector machines for robust regression.* In *Proceedings of the Emerging M&S Applications in Industry & Academia / Modeling and Humanities Symposium*, EAIA and MatH '13, pages 9:1–9:8, San Diego, CA, USA, 2013. Society for Computer Simulation International, ISBN 978-1-62748-039-0. http://dl.acm.org/citation.cfm?id=2499751.2499760.

[78] De Leone, R.: *Innovative transportation systems and infomobility for smart cities.* In Sargolini, M. (editor): *Urban Landscapes: Environmental Networks and the Quality of Life*, pages 111–113. Springer, Milan, 2013.

[79] De Leone, R. and V. Minnetti: *The estimation of the parameters in multi-criteria classification problem: The case of the electre tri method.* In Vicari, Donatella, Akinori Okada, Giancarlo

Ragozini, and Claus Weihs (editors): *Analysis and Modeling of Complex Data in Behavioral and Social Sciences*, Studies in Classification, Data Analysis, and Knowledge Organization, pages 93–101. Springer International Publishing, 2014, ISBN 978-3-319-06691-2. http://dx.doi.org/10.1007/978-3-319-06692-9_11.

[80] Cerulli, R., R. De Leone, and M. Gentili: *Finding pattern configurations for bank cheque printing.* Procedia: Social & Behavioral Sciences, 108:219–234, 2014.

[81] Silvi, S., M.C. Verdenelli, C. Cecchini, M.M. Coman, M.S. Bernabei, J. Rosati, R. De Leone, C. Orpianesi, and A. Cresci: *Probiotic-enriched foods and dietary supplement containing synbio positively affects bowel 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.

[82] De Leone, R.: *Mathematic territorial models for evaluation.* In Sargolini, M and R. Gambino (editors): *Mountain Landscapes. A Decision Support System For the Accessibility*, pages 95–98. List - Laboratorio Internazionale Editoriale, Trento, Italy, 2014.

[83] De Leone, R. and S. Ferranti: *Inhabited centers and visitors destination areas.* In Sargolini, M and R. Gambino (editors): *Mountain Landscapes. A Decision Support System For the Accessibility*, pages 88–92. List - Laboratorio Internazionale Editoriale, Trento, Italy, 2014.

[84] Faigle, U., E. Kropat, R. De Leone, S. Meyer-Nieberg, and S. Pickl: *Preface.* Discrete Applied Mathematics, 192:1–1, 2015.

[85] Rosati, J., T. Di Noia, T. Lukasiewicz, R. De Leone, and A. Maurino: *Preference queries with ceteris paribus semantics for linked data.* Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 9415:423–442, 2015.

[86] De Leone, R. and D. Kvasov, D. Yaroslav: *Guest editors foreword to the special issue devoted to the international conference "numerical computations: Theory and algorithms" june 17–23, 2013, falerna, italy*, 2015.

[87] De Leone, R., M. Pietrini, and A. Giovannelli: *Photovoltaic energy production forecast using support vector regression.* Neural Computing & Applications, 26:1955–1962, 2015.

[88] Rosati, J., T. Di Noia, T. Lukasiewicz, R. De Leone, and A. Maurino: *Preference queries with ceteris paribus semantics for linked data.* In *On the Move to Meaningful Internet Systems: OTM 2015 Conferences*, volume 9415, pages 423–442, Rhodes, 2015. Christophe Debruyne, Hervé Panetto, Robert Meersman, Tharam Dillon, Georg Weichhart, Yuan An, Claudio Agostino Ardagna.

[89] Rosati, J., P. Ristoski, T. Di Noia, R. De Leone, and H. Paulheim: *Rdf graph embeddings for content-based recommender systems.* Volume 1673, pages 23–30, 2016. https://www.scopus.com/inward/record.uri?eid=2-s2.0-84988931929&partnerID=4 cited By 0.

[90] De Leone, R., A. Giovannelli, and M. Pietrini: *Optimization of power production and costs in microgrids.* Optimization Letters, 11(3):497–520, 2017, ISSN 1862-4480. http://dx.doi.org/10.1007/s11590-016-1010-z.

[91] De Leone, R.: *Nonlinear programming and grossone: Quadratic programming and the role of constraint qualifications applied mathematics and computation.* Applied Mathematics and Computation, 2017. To appear.

[92] De Leone, R, Fasano G., and Y.D. Sergeyev: *Planar methods and grossone for the conjugate gradient breakdown in nonlinear programming.* Computational Optimization and Applications, 2017. To appear.

[93] Ristoski, P., J. Rosati, T. Di Noia, R De Leone, and H. Paulheim: *RDF2Vec: Rdf graph embeddings and their applicationse.* Semantic Web - Interoperability, Usability, Applicability, 2017. submitted.

December 5, 2017