CURRICULUM VITÆ

of

PAOLO SERAFINI

PERSONAL DATA

Family name:	Serafini
First name:	Paolo
Birthdate:	January 12, 1947
Birthplace:	Monfalcone (GO) - Italy
Final degree:	"laurea" in Electronic Engineering with "maximum cum laude", March 4, 1971
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Address:	via I Maggio 57 — 34075 Pieris (GO) — Italy

POSITIONS

2016	→		Retired.
1990	→	2016	Professor of Operations Research, Department of Mathematics and Computer Science, Faculty of Sciences, University of Udine.
1998	→	2004	Dean, Faculty of Sciences, University of Udine.
1995	→	1996	Visiting Professor of Operations Research, GSIA (now Tepper School of Business), Carnegie Mellon University, Pittsburgh, PA, USA.
1985	→	1990	Associate Professor of Operations Research, Faculty of Sciences, University of Udine.
6/80	→	12/80	Visiting Researcher, Department of Mechanical Engineering, UC Berkeley, USA.
1978	→	1985	Assistant Professor, Faculty of Sciences, University of Udine.
1974	→	1978	Lecturer, Udine Branch of the Faculty of Engineering, University of Trieste.
3/72	→	11/73	Compulsory military service: Naval Academy, Livorno, and then Navy Officer at the Defense Ministry, Rome, with the duty of testing electronic naval equipment.
1971	→	1974	Supervisor of diesel engine tests, FIAT, Turin, Italy.

LIST OF PUBLICATIONS

Books (as author)

A5 P. Serafini: *Mathematics to the Rescue of Democracy*, Springer, 2020, 140 pp; ISBN: 978-3-030-38368-8 (ebook), 978-3-030-38367-1 (soft cover).

A4 P. Serafini: *La Matematica in Soccorso della Democrazia*, Amazon, ISBN-10: 1092343970, https://www.amazon.com/gp/product/1092343970/ref=dbs_a_def_rwt_bibl_vppi_i3 (Italian translation of A5, with changes).

A3 G. Lancia, P. Serafini: *Compact Extended Linear Programming Models*, Springer International Publishing, 2017, DOI: 10.1007/978-3-319-63976-5, in the series: EURO Advanced Tutorials in Operational Research.

A2 P. Serafini: *Ricerca Operativa*, Springer, Milano 2009, 532 pp (in Italian).

A1 P. Serafini: *Ottimizzazione*, Zanichelli, Bologna 2000, 548 pp (in Italian).

Books (as editor)

B6 F. Luccio, A. Marzollo, P. Serafini: *Mathematics of Computing*, Unesco, Paris, 1993.

B5 A. Lewandowski, P. Serafini, G. Speranza: *Methodology, Implementation and Applications of Decision Support Systems*, Springer, Vienna, 1991.

B4 F. Archetti, M. Lucertini, P. Serafini: *Operations Research Models in Flexible Manufacturing Systems*, Springer, Vienna, 1989.

B3 G. Andreatta, F. Mason, P. Serafini: *Stochastics in Combinatorial Optimization*, World Publishing, Singapore, 1987.

B2 P. Serafini: *Mathematics of Multi Objective Optimization*, Springer, Vienna, 1985.

B1 G. Ausiello, M. Lucertini, P. Serafini: *Algorithm Design for Computer System Design*, Springer, Vienna, 1984.

Papers in journals

C46 F. Pressacco, P. Serafini, L. Ziani: "Risk management through proportional reinsurance: an efficient computational approach", *Decisions in Economics and Finance*, **2024**, 2024, p. 1–26, https://doi.org/10.1007/s10203-024-00492-8.

C45 G. Lancia, P. Serafini: "Computational complexity and ILP models for pattern problems in the logical analysis of data", *Algorithms*, **14**, 2021, p. 1–16, DOI: 10.3390/a14080235.

C44 S. Crivellaro, L. Sofer, W.R. Halgrimson, R.W. Dobbs, P. Serafini: "Optimized clinical decision making: a configurable Markov model for benign prostatic hyperplasia treatment", *Urology*, **132**, 2019, p. 183–188, DOI: 10.1016/j.urology.2019.06.022.

C43 G. Andreatta, C. De Francesco, L. De Giovanni, P. Serafini: "Star partitions on graphs", *Discrete Optimization*, **33**, 2019, p. 1–18, DOI: 10.1016/j.disopt.2019.01.002.

C42 F. Pressacco, P. Serafini, L. Ziani: "De Finetti and Markovitz mean variance approach to reinsurance and portfolio selection problems: a comparison", *Global & Local Economic Review*, **22**, 2018, p. 27–62.

C41 G. Lancia, F. Rinaldi, P. Serafini: "A facility location model for air pollution detection", *Mathematical Problems in Engineering*, **2018**, 2018, p. 1–8, DOI: 10.1155/2018/1683249.

C40 P. Serafini: "An iterative scheme to compute size probabilities in random graphs and branching processes", *Scientific Programming*, **2018**, 2018, p. 1–6, DOI: 10.1155/2018/3791075.

C39 F. Ricca, A. Scozzari, P. Serafini: "A guided tour of the mathematics of seat allocation and political dis-

tricting", invited chapter in: *Trends in computational social choice*, Ulle Endriss ed., p. 49-68, AI Access, 2017.

C38 G. Andreatta, C. De Francesco, L. De Giovanni, P. Serafini: "Constrained domatic bipartition on trees", *Discrete Optimization*, **22**, 2016, p. 372–388, DOI: 10.1016/j.disopt.2016.10.003.

C37 G. Lancia, P. Serafini: "Deriving compact extended formulations via LP-based separation techniques", *Annals of Operations Research*, **240**, 2016, p. 321-350, DOI: 10.1007/s10479-015-2012-4. Reprint of C33 in a special collection of surveys.

C36 G. Lancia, F. Rinaldi, P. Serafini: "Local search inequalities", *Discrete Optimization*, **16**, 2015, p. 76-89, DOI: 10.1016/j.disopt. 2015.02.003.

C35 G. Andreatta, L. De Giovanni, P. Serafini: "Optimal shift coloring of pharmacies", *Computers & Operations Research*, **55**, 2015, p. 88-98, DOI: 10.1016/j.cor.2014.09.009.

C34 P. Serafini: "Certificates of optimality for minimum norm biproportional apportionments", *Social Choice and Welfare*, **44**, 2015, p. 1–12, DOI:10.1007/s00355-014-0821-z.

C33 G. Lancia, P. Serafini: "Deriving compact extended formulations via LP-based separation techniques", *4OR-A Quarterly Journal of Operations Research*, **12**, 2014, p. 201-234, DOI: 10.1007/s10288-014-0262-7.

C32 G. Andreatta, L. De Giovanni, P. Serafini: "Optimal shift coloring of trees", *Operations Research Letters*, **42**, 2014, p. 251-256, DOI: 10.1016/j.orl.2014.04.004.

C31 P. Serafini: "Classifying negative and positive points by optimal box clustering", *Discrete Applied Mathematics*, **165**, 2014, p. 270–282, DOI: 10.1016/j.dam.2013.05.003.

C30 M. Monaci, U. Pferschy, P. Serafini: "Exact solution of the robust knapsack problem", *Computers & Operations Research*, **40**, 2013, p. 2625–2631, DOI 10.1016/j.cor.2013.05.005.

C29 P. Serafini: "Combinatorial optimization problems with normal random costs", *Operations Research Letters*, **41**, 2013, p. 126–133, DOI: 10.1016/j.orl.2012.11.014.

C28 F. Ricca, A. Scozzari, P. Serafini, B. Simeone: "Error minimization methods in biproportional apportionment", *TOP*, **20**, 2012, p. 547-577, DOI: 10.1007/s11750-012-0252-x.

C27 P. Serafini, B. Simeone: "Certificates of optimality: the third way to biproportional apportionment", *Social Choice and Welfare*, **38**, 2012, p. 247–268, DOI: 10.1007/s00355-010-0528-8.

C26 P. Serafini, B. Simeone: "Parametric maximum flow methods for minimax approximation of target quotas in biproportional apportionment", *Networks*, **59**, 2012, p. 191–208, DOI 10.1002/net20434.

C25 P. Serafini: "Allocation of the EU Parliament seats via integer linear programming and revised quotas", *Mathematical Social Sciences*, **63**, 2012, p. 107–113, DOI: 10.1016/j.mathsocsci.2011.08.006.

C24 F. Pukelsheim, F. Ricca, A. Scozzari, P. Serafini, B. Simeone: "Network flow methods for electoral systems", *Networks*, **59**, 2012, p. 73-88, DOI: 10.1002/net.20480.

C23 F. Pressacco, P. Serafini, L. Ziani: "Mean-variance efficient strategies in proportional reinsurance under group correlation in a gaussian framework", *European Actuarial Journal*, **1**, 2011, p. 433–454, DOI 10.1007/-s13385-011-0020-6.

C22 G. Lancia, P. Serafini: "An effective compact formulation of the max cut problem on sparse graphs", *Electronic Notes in Discrete Mathematics*, **37**, 2011, p. 111–116, DOI: 10.1016/j.endm.2011.05.020.

C21 G. Lancia, F. Rinaldi, P. Serafini: "A time-indexed LP-based approach for min-sum job-shop problems", *Annals of Operations Research*, **186**, 2011, p. 175–198, DOI: 10.1007/s10479-010-0832-9.

C20 G. Lancia, P. Serafini: "A set covering approach with column generation for parsimony haplotyping", *INFORMS J. of Computing*, **21**, 2009, p. 151-166, DOI: 10.1287/ijoc.1080.0285.

C19 F. Pressacco, P. Serafini: "The origins of the mean-variance approach in finance: revisiting de Finetti 65 years later", *J. of Decisions in Economics and Finance*, **28**, 2007, p. 19-49. DOI: 10.1007/s10203-007-0067-7.

C18 A. Pascoletti, P. Serafini: "Differential conditions for constrained nonlinear programming via Pareto optimization", *J. of Optimization Theory and Applications*, **134**, 2007, p. 399-411. DOI: 10.1007/s10957-007-9216-y.

C17 P. Serafini: "Dynamic programming and minimum risk paths", *European J. of Operational Research*, **175/1**, 2006, p. 224-237, DOI:10.1016/j.ejor.2005.03.042.

C16 P. Serafini: "Linear programming with variable matrix entries", *Operations Research Letters*, **33**, 2005, p. 165-170, DOI:10.1016/j.orl.2004.04.011.

C15 P. Serafini: "Asymptotic scheduling", *Mathematical Programming, B*, **98**, 2003, p. 431-444, DOI:10.1007/s10107-003-0412-8.

C14 M. Fischetti, G. Lancia, P. Serafini: "Exact algorithms for minimum routing cost trees", *Networks*, **39**, 2002, p. 1-13.

C13 E. Balas, G. Lancia, P. Serafini, A. Vazacopoulos: "Job shop scheduling with deadlines", *J. of Combinatorial Optimization*, **1**, 1998, p. 329-353.

C12 P. Serafini: "Scheduling jobs on several machines with the job splitting property", *Operations Research*, **44**, 1996, p. 617-628.

C11 P. Serafini, G. Speranza: "A decomposition approach in a DSS for a resource constrained scheduling problem", *European J. of Operational Research*, **79**, 1994, p. 208-219.

C10 P. Serafini, G. Speranza: "A decomposition approach for a resource constrained scheduling problem", *European J. of Operational Research*, **75**, 1994, p. 112-135.

C9 C. Papadimitriou, P. Serafini, M. Yannakakis: "Computing the throughput of a network with dedicated lines", *Discrete Applied Mathematics*, **42**, 1993, p. 271-278.

C8 P. Serafini, G. Speranza: "Production scheduling problems in a textile industry", *European J. of Operational Research*, **58**, 1992, p. 173-190.

C7 I. Gertsbakh, P. Serafini: "Periodic transportation schedules with flexible departure times", *European J. of Operational Research*, **50**, 1991, p. 298-309.

C6 P. Serafini, W. Ukovich: "A mathematical model for periodic scheduling problems", *SIAM J. on Discrete Mathematics*, **2**, 1989, p. 550-581.

C5 P. Serafini, W. Ukovich: "A mathematical model for the fixed-time traffic control problem", *European J. of Operational Research*, **42**, 1989, p. 152-165.

C4 P. Serafini, W. Ukovich: "An approach towards solving periodic scheduling problems", *Ricerca Operativa*, **35**, 1985, p. 17-39.

C3 A. Pascoletti, P. Serafini: "Scalarizing vector optimization problems", *J. of Optimization Theory and Applications*, **42/4**, 1984, p. 499-524.

C2 A. Pascoletti, P. Serafini: "An iterative procedure for vector optimization", *J. of Mathematical Analysis and Applications*, **89**, 1982, p. 95-106.

C1 A. Pascoletti, P. Serafini: "Comments on cooperative games and vector valued criteria problems", *IEEE Trans. on Automatic Control*, **21**, 1976, p. 806-808.

Papers in proceedings

D34 G. Lancia, P. Serafini: "The complexity of some pattern problems in the logical analysis of large genomic data set", in: *Bioinformatics and Biomedical Engineering, Lectures Notes in Computer Science 9656*, F. Ortuño ed., Springer Berlin, 2016, DOI 10.1007/978-3-319-31744-1.

D33 G. Lancia, F. Rinaldi, P. Serafini: "A unified integer programming model for genome rearrangement problems", in: *International Conference on Bioinformatics and Biomedical Engineering, Lecture Notes in Computer Science 9043*, F. Ortuño, I. Rojas eds., p. 491-502, Springer Berlin, 2015.

D32 F. Pressacco, P. Serafini, L. Ziani: "Naive decisions and mean-variance efficiency in proportional reinsurance under group correlation", in: *XVI Meeting on Risk Theory, 18/09/2009*, Campobasso, University of Molise, Loffredo, p. 213–226, Napoli, 2010.

D31 F. Pressacco, P. Serafini: "New insights on the mean-variance portfolio selection from de Finetti's suggestions", in: *New frontiers in insurance and banking risk management*, Mc Graw Hill, p. 253–270, 2009.

D30 F. Pukelsheim, F. Ricca, A. Scozzari, P. Serafini, B. Simeone: "Network flow methods for electoral systems", in: *Proceedings of the International Network Optimization Conference 2009*, Pisa, 26-29 April 2009; revised as paper C24 - Network flow methods for electoral systems.

D29 P. Serafini: "On some combinatorial properties of PESP", in: *Proceedings of the 4th Multidisciplinary International Scheduling Conference: Theory and Applications (MISTA 2009)*, J. Blazewicz, Drozdowski, G. Kendall, B. McCollum eds., p. 59–67; 10-12 Aug 2009, Dublin, Ireland.

D28 A. Pennisi, F. Ricca, P. Serafini, B. Simeone: "Ottimizzazione combinatoria per la progettazione di sistemi elettorali", in: *Scienza delle decisioni in Italia: Applicazioni della Ricerca Operativa ai problemi aziendali*, ECIG, p. 75–87, Genova, 2008.

D27 F. Rinaldi, P. Serafini: "Scheduling school meetings", in: *Practice and Theory of Automated Timetabling VI, Lecture Notes in Computer Science 3867*, E.K. Burke, H. Rudová eds., p. 280–293, Springer Berlin, 2007.

D26 G. Lancia, F. Rinaldi, P. Serafini: "A Compact Optimization Approach for Job-Shop Problems", in: *Proceedings of the 3rd Multidisciplinary International Conference on Scheduling: Theory and Applications (MISTA 2007)*, P. Baptiste, G. Kendall, A. Munier-Kordon, F. Sourd eds., p. 293–300; 28 -31 August 2007, Paris, France; revised as paper C21 - A time-indexed LP for job-shop problems.

D25 A. Pennisi, F. Ricca, P. Serafini, B. Simeone: "Amending and enhancing electoral laws through mixed integer programming: the case of Italy", in: *Proc. VIII International Conference on Economic Modernization and Social Development*, E. Yashin ed., HSE, Moscow, 2007.

D24 A. Qualizza, P. Serafini: "A column generation scheme for faculty timetabling", in: *Practice and Theory of Automated Timetabling V, Lecture Notes in Computer Science 3616*, E.K. Burke, M. Trick eds., p. 161–173, Springer Berlin, 2005, DOI: 10.1007/11593577_10.

D23 P. Serafini: "Simulated annealing for multi objective optimization problems", in: *Multiple Criteria Decision Making: Expand and Enrich the Domains of Thinking and Application*, G.H. Tzeng, U.P. Wen, P.L. Yu eds., p. 283–292, Springer Berlin, 1994.

D22 P. Serafini, G. Speranza: "A multi-stage decomposition approach for a resource constrained project scheduling problem", in: *Methodology, Implementation and Applications of Decision Support Systems*, A. Lewandowski, P. Serafini, G. Speranza eds., p. 211–244, Springer Vienna, 1991.

D21 C. Pascolo, P. Serafini, W. Ukovich: "A hierarchical approach to periodic scheduling of large scale traffic light systems", in: *Methodology, Implementation and Applications of Decision Support Systems*, A. Lewandowski, P. Serafini, G. Speranza eds., p. 199–210, Springer Vienna, 1991.

D20 P. Serafini, G. Speranza: "Resource Assignment in a DSS for Project scheduling", in: *Multiobjective Problems of Mathematical Programming*, A. Lewandowski, V. Volkovich eds., p. 254–265, Springer, Berlin, 1991.

D19 P. Serafini, G. Speranza: "Production planning problems in a textile industry", in: *Proceedings of the Workshop on Algorithms and Complexity*, Rome, October 1990, World Scientific Publishing, Singapore, 1991.

D18 P. Serafini: "A decomposition approach for hard multi objective combinatorial problems", in: *Multiple Criteria Decision Making: Application in Industry and Services*, M.T. Tabucanon, V. Chankong eds., p. 1023–1035, Asian Institute of Technology, Bangkok, 1989.

D17 P. Serafini, W. Ukovich: "A periodic Job Shop model", in: *Proceedings of the IFAC-CIRP-IFIP-IFORS International Workshop on Decisional Structures in Automated Manufacturing*, Genova, September, 18-21, 1989.

D16 P. Serafini, W. Ukovich, H. Kirchner, F. Giardina, F. Tiozzo: "Job Shop scheduling: a case study", in: *Operations Research Models for Flexible Manufacturing Systems*, F. Archetti, M. Lucertini e P. Serafini eds., Springer, Vienna, 1989.

D15 P. Serafini, W. Ukovich: "A decision support system based on the Job Shop Problem in real manufacturing", in: *Methodology and software for interactive decision support*, A. Lewandowski, I. Stanchev eds., p. 202–210, Springer, Berlin, 1989.

D14 P. Serafini, W. Ukovich: "Finite capacity production scheduling using a job shop model", in: *Proceedings of the 12th IMACS World Congress on Scientific Computation*, R. Vichnevetsky, P. Borne, J. Vignes eds., p. 406–408, Paris, July, 18-22, 1988.

D13 P. Serafini, W. Ukovich: "Some normative models for automated warehouse problems", in: *Proceedings of the Third International Conference on Computer Aided Production Engineering*, S.K. Samanta ed., p. 344–351, Ann Arbor June, 1-3, SME, Dearborne, MI, USA, 1988.

D12 P. Serafini, W. Ukovich: "Operating an automated storage and retrieval system", in: *Proceedings of the International Conference on Computer Integrated Manufacturing*, p. 29–34, Troy, May, 23-25, 1988, IEEE Computer Society Press, Washington, 1988.

D11 P. Serafini: "Some considerations about computational complexity for multi objective combinatorial problems", in: *Recent advances and historical developments of vector optimization*, J. Jahn, W. Krabs eds., p. 222–232, Springer Lecture Notes in Economics and Mathematical Systems n. 294, 1986.

D10 P. Serafini, W. Ukovich: "Decomposing production scheduling problems in a periodic framework", in: *Proceedings of the IX International Conference on Production Research*, p. 2094–2099, Cincinnati, Ohio, 1987.

D9 P. Serafini: "A unified approach for scalar and vector optimization", in: *Mathematics of Multi Objective Optimization*, P. Serafini ed., p. 89–104, Springer, Vienna, 1985.

D8 P. Serafini: "Dual relaxation and branch and bound techniques for multi objective optimization", in: *Interactive decision analysis*, M. Grauer, A. Wierzbicki eds., p. 84–90, Lecture Notes in Economics and Mathematical Systems n.229, Springer, Berlin, 1984.

D7 P. Serafini: "Ottimizzazione vettoriale", in: *Metodi e Algoritmi per l'ottimizzazione*, G. Di Pillo e G. Carpaneto eds., p. 367–387, Pitagora, Bologna, 1984.

D6 P. Serafini: "Convergence of dual variables in interactive vector optimization", in: *Essays and surveys on multiple criteria decision making*, P. Hansen ed., p. 347–355, Springer, Berlin, 1983.

D5 P. Serafini: "Reachability of vector optima through dynamic processes", in: *Multi Objective Decision Making*, S. French et al. eds., p. 35–47, Academic Press, New York, 1983.

D4 P. Serafini: "Some remarks on state reversibility and irreversibility in system theory", in: *Dynamical systems*

amd microphysics, A. Avez, A. Blaquiere, A. Marzollo eds., p. 449–454, Academic Press, New York, 1982.

D3 A. Marzollo, A. Pascoletti, P. Serafini: "Differential techniques for cone optimality and stability", in: *New trends in dynamic system theory and economics*, M. Aoki, A. Marzollo eds., p. 351-363, Academic Press, New York 1979.

D2 A. Marzollo, A. Pascoletti, P. Serafini: "Genericity and singularities in vector optimization", in: *Recent developments in variable structure systems, economics and biology*, R. Mohler, A. Ruberti eds., p. 201–213, Springer, Berlin 1978.

D1 A. Marzollo, P. Serafini, W. Ukovich: "Decisioni paretiane e loro determinazione", in: *Teoria dei sistemi ed economia*, p. 291–318, Il Mulino, Bologna 1976.

Citations (according to Google Scholar) updated September 21, 2025

paper	citations
C6 - A mathematical model for periodic scheduling problems	786
C3 - Scalarizing vector optimization problems	433
D23 - Simulated annealing for multi obj. opt. problems	389
D11 - Comp. complexity for multi obj. combinatorial problems	284
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C43 - Star partitions on graphs	11
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C9 - Computing the throughput of a network	10
C45 - Patterns in logical data analysis	10

APPLIED RESEARCH

External contracts for the Department of Mathematics and Computer Science

2014 – Contract with Overit, Fiume Veneto, (20,000 Euro) for 'Optimization algorithms to monitor the air particles in a urban area'.

2012 – Contract with Overit, Fiume Veneto, (7,000 Euro) for 'Design of an algorithm for the assignment of airport ground workers'.

2011 – Contract with Overit, Fiume Veneto, (20,000 Euro) for 'Simulation and optimization models for electrical network design'.

2009 – Contract with Overit, Fiume Veneto, (30,000 Euro) for 'Mathematical modeling of shift and logistic planning'.

2005 – Contract with Tecnest, Udine, (26,000 Euro) for 'Object modeling and local search algorithm embedding for the optimization of complex problems in Supply Chain Planning;

External contracts for CISM Lab

2016 – Contract with Overit, Fiume Veneto, (8,000 Euro) for 'Optimal scheduling of maintenance activities over a large area taking into account the traffic variability'

TEACHING ACTIVITY

The teaching activity mainly consisted in lectures on Operations Research. Other lectures were devoted to Algorithm and Data Structures, Discrete Mathematics, System Theory and Numerical Analysis.

The courses on Operations Research were addressed to Computer Science (1982-2016), Mathematics (1996-2003), Economics (2004-2010) and Engineering students (2012-2016) and included the following topics:

Convex analysis. Graph theory. Mathematical programming: Duality theory, Linear programming, Network flows, Matching, Matroids, Dynamic programming, Polyhedral combinatorics, Integer linear programming; Approximation and heuristic algorithms. Algorithms and complexity: Theory of NP-completeness. Queueing theory (M/M and M/G models); Markov decision processes. Scheduling, Project scheduling. Multi criteria analysis. Decision Theory. Game theory.

Whenever possible interactive working examples were provided through the packages *Lingo*, *Mathematica* and *Excel*.

The courses on Algorithms and Data Structures (2003-2009) were addressed to Computational Biology students.

The courses on Discrete Mathematics (2000-2015) were addressed to students of the Specialization School for Teaching.

The courses on System Theory (1978-1982) were addressed to Engineering students.

The courses on Numerical Analysis (1974-1978) were addressed to Engineering students.

In the academic year 1995-96 the following four courses were delivered at GSIA (now Tepper School of Business), Carnegie Mellon University, Pittsburgh, PA, USA: Dynamic Programming and Stochastic Decision Models; Scheduling I; Scheduling II; Mathematical Programming: a Computer Aided Approach.

OTHER ACTIVITIES

2004	→	2007	Member of the Scientific Council of the Italian Operations Research Group.
1997	→	1998	Member of the Academic Senate of the University of Udine as a Representative of the Scientific Area Mathematics and Physics.
1975	→	present	Researcher at the International Center for Mechanical Sciences (CISM), Udine. Since 2005 Scientific Editor of the CISM-Springer Lecture Notes series. Since 1987 member of the Scientific Council. Since 1978 coordinator of more than 15 schools, workshops, symposia held at CISM.
1988	→	1992	Project Coordinator of the Unesco project "Applied Mathematics, and Informatics for Developing Countries". The main event was the coordination of a seven week school with 40 participants from many developing countries held at CISM in Spring 1991, and the publication of the book *Mathematics of Computing*. Besides, other local schools (Ismailia, Egypt; Tunis, Tunisia; Abuja, Nigeria; Viña del Mar, Chile) have been held under the project and my partial coordination.
1986	→	1990	Reviewer of the journal *Mathematical Reviews*.
1985	→	1990	Member of the Technical-Scientific Committe of the Italian Association for Operations Research.
1986	→	1988	Member of the Administrative Board of the University of Udine.
1982	→	1983	Project Coordinator of the Unesco project "Applied Informatics in Developing Countries". The main event was the coordination of a two month school with 40 participants from many developing countries held at CISM in Spring 1983.
10/75	→	11/75	Visitor at Polish Academy of Sciences, Warsaw, Poland.

List of workshops and schools organized at the International Center for Mechanical Sciences, Udine, Italy

School-Workshop on Models and Algorithms for the Web, June, 17-22, 2002. (coordinators: G. Ausiello, A. Marchetti Spaccamela, S. Leonardi)

School on Probabilistic Models in Combinatorial Optimization, October 1-5, 2001. (B. G. Siddarth, P. Serafini)

School-Workshop on On-line Algorithms, August 31-September 5, 1998. (G. Ausiello, A. Marchetti Spaccamela, S. Leonardi)

School-Workshop on Computational Biology, June 10-19, 1998. (R. Ravi, G. Lancia, P. Serafini)

IC-EATCS Annual Advanced School on Models and Paradigms of Concurrency, September 15-19, 1997. (C. Palamidessi, F. Honsell, P. Serafini)

School-Workshop on Approximate Solutions of Hard Combinatorial Problems, September 16-20, 1996. (G. Ausiello, M. Protasi, P. Serafini)

Advances in Database Theory, Implementations and Applications, September 13-24, 1993. (J. Paredaens, L. Tenenbaum)

Summer School on Logic and Artificial Intelligence, September 28- October 9, 1992. (G. Amati, C. Sossai, D. Pedreschi)

VI-th International Conference on Stochastic Programming, September 14-18, 1992. (G. Andreatta, G.

Salinetti, P. Serafini)

Intelligent Systems for Signal and Image Understanding, October 1-4, 1991. (V. Roberto, P. Serafini)

Algorithms and Complexity, June 17-21, 1991. (F. Luccio, P. Serafini)

College on Fundamentals of Computer Science, May 6-June 14, 1991. (F. Luccio, P. Serafini)

CISM-IIASA Summer School on Methodology, Implementation and Applications of Decision Support Systems, September 17-21, 1990. (A. Lewandowski, M.G. Speranza, P. Serafini)

Giornate di Lavoro AIRO 1989, October 2-6, 1989. (M. Merlino, P. Serafini, M.G. Speranza, R. Tadei)

Operation Research Models for Flexible Manufacturing Systems, October 5-9, 1987. (F. Archetti, M. Lucertini, P. Serafini)

Stochastics in Combinatorial Optimization, September 22-26, 1986. (G. Andreatta, F. Mason, P. Serafini)

Mathematics of Multi Objective Optimization, September 3-7, 1984. (P. Serafini)

Algorithm Design for Computer System Design, July 11-15, 1983. (G. Ausiello, M. Lucertini, P. Serafini)

College on Computer Sciences, May 3- July 8, 1983. (F. Luccio, P. Serafini)