CURRICULUM VITAE

NAME: PETRICĂ CLAUDIU POP SITAR
DATE AND PLACE OF BIRTH: 1972 October 30, Baia Mare, ROMANIA
CITIZENSHIP: Romanian
MARITAL STATUS: married
DEPENDENTS: POP SITAR CORINA ELENA, wife, 1975 May 2,
POP SITAR ANA MARIA, daughter, 2003 September 21
POP SITAR DAVID OCTAVIAN, sun, 2014 May 20

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MANAGEMENT EXPERIENCE

- 2012 - **Dean** of the Faculty of Sciences, North University Center of Baia Mare, Technical University of Cluj-Napoca, Romania

- 2008 - 2012 **Chair Head**, Chair of Informatics and Applied Mathematics, Department of Mathematics and Computer Science, Faculty of Sciences, North University of Baia Mare, Romania

RESEARCH INTEREST

- Combinatorial Optimization; Operations Research; Mathematical Programming;

- Theory of algorithms, heuristic and metaheuristics algorithms;

- Optimization; Mathematical modelling; Graph theory; Natural Computing.

STUDIES

1998-2002 Dept. of Operations Research, Faculty of Applied Mathematics, University of Twente, the Netherlands;
PhD degree: Combinatorial optimization;
Thesis title: The Generalized Minimum Spanning Tree Problem;
Supervisors: Prof. Dr. U. Faigle and Prof. Dr. G. Woeginger.

1997-1998 Dept. of Operations Research, Faculty of Applied Mathematics, University of Twente, the Netherlands;
Master degree: Operations Research (graduated with very good and excellent qualificatives);
Thesis title: Semidefinite Programming and its Applications to Combinatorial Optimization.

1995-1996 Dept. of Mathematical Analysis, Faculty of Mathematics and Computer Science, Babes-Bolyai University of Cluj-Napoca, Romania;
Master degree: Convex Analysis and Approximation, (graduated with 10);
Thesis title: Optimal Maintenance of Machines.

1991-1995 Faculty of Mathematics and Computer Science, Babes-Bolyai University of Cluj-Napoca, Romania;
Bachelor degree: Mathematics (graduated with 9.73).

1987-1991 "Gheorghe Sincai" Highschool, Baia Mare, Romania.

1979-1987 "Nichita Stanescu" Primary and Secondary School, Baia Mare, Romania.

PROFESSIONAL EXPERIENCE

- October 2014 - Professor
  Department of Mathematics and Computer Science, Faculty of Sciences, North University Center at Baia Mare, Technical University of Cluj-Napoca, Romania.

- October 2006 - October 2014
  Associate Professor, Department of Mathematics and Computer Science, Faculty of Sciences, North University of Baia Mare, Romania.

- August 2005 - November 2005
  Post Doctoral Researcher within ADONET (Algorithmic Discrete Optimization Network), Technische Universitat Wien, Austria.

- February 2003 - February 2004
  Post Doctoral Researcher within AMORE (Algorithmic Methods for Optimizing the Railways in Europe) network, Computer Technology Institute, University of Patras, Greece.

- January 2003 - October 2006
  Lecturer, Department of Mathematics and Computer Science, Faculty of Sciences, North University of Baia Mare, Romania.

- September 1998 - September 2002
  Research Assistant, Department of Operations Research, Faculty of Applied Mathematics, University of Twente, the Netherlands.

- January 1999 - Assistant, Department of Mathematics and Computer Science, Faculty of Sciences, North University of Baia Mare, Romania.

- September 1996 - Junior assistant, Department of Mathematics and Computer Science, Faculty of Sciences, North University of Baia Mare, Romania.

AWARDS

- Excellence diploma for the outstanding scientific achievements, Technical University of Cluj-Napoca, 2012.

TEACHING EXPERIENCE

- Combinatorial Optimization (2005), Master program, Technical University of Vienna, Austria.

- Artificial Intelligence (2004-2005, 2007 -);

- Combinatorial Optimization Algorithms (2010 -), Master program;

- Operations Research (2003 -);

- Mathematical Modelling and Simulation (2004 -);

- Special Chapters of Mathematical Modelling and Simulations (2010 -), Master program;

- Numerical methods for solving optimization problems (2006 -), Master program;

- Special Chapters of Mathematical Analysis (2005 - 2011), Master program;

- Convex Analysis, Mathematical Programming (2004-2005).

RESEARCH PROJECTS

1. Director of the project *New hybrid metaheuristic methods for solving network design problems*, PN-II-RU-TE-2011-3-0113, 2011-2014, 750000 RON.

2. Director of the project *Hybrid bi-level optimization approaches for generalized network design problems*, bilateral project between Romania and Austria, 2014-2015, 22000 RON.

3. Director of the project *Algorithmic methods for solving combinatorial optimization problems*, CEEX, ET34/2006, 2006-2008, 140000 RON.

4. *Collaborative Environment for Eco-Design of Product- Services and Production Processes Integrating Highly Personalised Innovative Functions*, FP 7 European project, October 2013 - October 2017, 5100000 EUR.

5. *Algorithmic Methods for optimizing Railways in Europe*, FP 6 European project, Computer Technology Institute, University of Patras, Greece, February 2003 - February 2004.

6. *Algorithmic Discrete Optimization Network*, FP 6 European project, Technical University of Vienna, Austria, August - November 2005.

7. *The selective graph coloring problem*, grant PHC Bosphore 26284RB, EGIDE, 2012-2013, bilateral project between France and Turkey.

8. *Research, development and implementation of computer management documents*, ANCS, 2010-2013, 850000 EUR.

9. *New natural inspired models for studying complexity and for solving complex problems*, CNMP 11028, 2007-2010.

10. *Efficient numerical methods with applications on supercomputers*, 2-CeX-06-11-96, 2006-2008, 1344000 RON.

GRANTS AND SCHOLARSHIPS

- ICIAM grant, Austrian Academy of Sciences, Johan Radon Institute for Computational and Applied Mathematics, Linz, Austria, July, 2007.

- August 2004 - October 2004
  Consiglio Nazionale delle Ricerche - NATO Senior fellowship, Ist. Applicazioni del Calcolo "M. Picone", Bari, Italy.

- Tempus scholarship, "Pierre et Marie Curie" University, Paris VI, France, 1 May - 1 August, 1996.

- CNRS (Centre National de la Recherche Scientifique) scholarship, "Pierre et Marie Curie" University, Paris VI, France, January 1997.

- Scholarship for Master students from Mathematical Research Institute, the Netherlands, September 1997 - June 1998.

- Summer school on "Probability and Statistics", July 1999, Cortona, Italy.

- Winter school on "New Methods in Combinatorial Optimization, March 2000, Alpe d'Huez, France.

- Summer school on Operations Research "Network Flows", August 2000, Cortona, Italy.

INVITED TALKS AND VISITING POSITIONS

- Visiting researcher, Department of Computing and Software, McMaster University, Hamilton, Ontario, Canada, March - May 2001.

- Invited talk, The Generalized Minimum Spanning Tree Problem, McMaster University, Hamilton, Ontario, Canada, April, 2001.

- Invited talk, Approximation Results for the Generalized Minimum Spanning Tree Problem, University of Patras, Patras, Greece, June 2002.

- Invited talk, Solving the Generalized Minimum Spanning Tree Problem with Simulated Annealing, Technische Universitat Wien, Austria, April 2005.

- Visiting Professor - Teacher Mobility, University of Applied Sciences, Vienna, Austria, May, 2006.

- Visiting researcher, LABORATOIRE JACQUES-LOUIS LIONS (UMR 7598), Pierre et Marie Curie University, Paris, France, November 2006 and June 2008.

- Visiting researcher, Algorithms and Data Structures Group, Technical University of Vienna, Austria, April, 2007, December 2012, February 2014.

- Visiting researcher, Johann Radon Institute, Linz, Austria, July, 2007.

- Visiting researcher, Department of Mathematics, International Centre for Theoretical Physics, Trieste, Italy, March 2009.

- Visiting researcher, LAMSADE - CNRS UMR 7243 - Universite Paris Dauphine, France, November 2011 and July 2012.

- Visiting researcher, Institute for Information and Communication Technologies, Bulgarian Academy of Sciences, March 2013.

- Visiting researcher, University of L'Aquila, August 2013.

MEMBER OF SCIENTIFIC SOCIETIES

- Member of Romanian Mathematical Society (SSMR);

- Member of American Mathematical Society (AMS);

- Member of European Mathematical Society (EMS);

- Member of Association Computability in Europe.

Member in Conference Program Committees

- Genetic and Evolutionary Computation Conference, 2011, 2012, 2013, 2014 and 2015;

- 5-th International Workshop on Nature Inspired Cooperative Strategies for Optimization (NICSO 2011), Cluj-Napoca, Romania, 20 - 22 October 2011.

- International Conference on Soft Computing Models in Industrial and Environmental Applications, 2011, 2012, 2013 and 2014;

- International Conference on Evolutionary Computation Theory and Applications (ECTA 2011), 24-26 October, 2011, Paris, France;

- 3rd International Conference on Agents and Artificial Intelligence (ICAART 2011), Rome, Italy, 28-30 January 2011;

- International Conference on Natural Computing (ICNC) 2010, 2011, 2013 and 2014;

- International Conference on Evolutionary Computation, (ICEC 2010), Valencia, Spain, 24-26 October 2010;

- 7-th International Workshop on Hybrid Metaheuristics, Vienna, Austria, October 1st - 2nd, 2010;

- International Conference on Hybrid Artificial Intelligent Systems (HAIS), 2010, 2011, 2012, 2013 and 2014;

- International Conference on Computers, Communications and Control (ICCC 2010), Baile Felix, Oradea, Romania, 12-16 May, 2010;

- The 9-th Balkan Conference on Operational Research BALCOR 2009, 2-6 September, Constanta, Romania;

- Heuristic Methods for Design, Deployment and Reliability of Networks and Network Applications (HEUNET) 2008 and 2010;

- WSC Online World Conference on Soft Computing in Industrial Applications 2008 and 2009.

Member in Conference Organizing Committees

- 9-th INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS (ICAM9), 25-28 September 2013, Baia Mare.

- 8-th INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS (ICAM8), 27-30 September 2011, Baia Mare.

- 7-th INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS (ICAM7), 1-4 September, Baia Mare 2010

- 6-th INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS (ICAM6), 18-21 September, Baia Mare 2008

- 5-th INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS (ICAM5), 21-24 September, Baia Mare 2006

EDITORIAL ACTIVITIES

- Managing Editor Carpathian Journal of Mathematics (journal rated ISI);

- Member of the Editorial Board Creative Mathematics and Informatics;

- Member of the Editorial Board International Journal of Research and Reviews in Applied Sciences;

- Member of the Scientific Board Infocomp - Journal of Computer Science;

- Contributing Editor IAOR (International Abstracts in Operations Research).

JOURNAL REVIEWER

- Computing Reviews,

- Mathematical Reviews,

- Zentralblatt fur Mathematika,

- Computers & Operations Research

- European Journal of Operational Research,

- Quarterly Operations Research,

- Networks,

- Journal of Heuristics,

- Information Sciences,

- Swarm and Evolutionary Computation,

- International Journal of Metaheuristics,

- Carpathian Journal of Mathematics,

- Infocomp - Journal of Computer Science,

- International Journal of Hybrid Intelligent Systems,

- Mathematica,

- Creative Mathematics and Informatics.

LANGUAGES SPOKEN: Romanian (mother tongue), English (excellent), French (good), Dutch (good).