

Tomasz Szapiro – Brief CV

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Education

1973 - M.Sc. in Physics (Mathematical Methods of Physics), Warsaw University, Faculty of Physics, Warsaw, Poland.

1981 - Ph.D. in Mathematics, Polish Academy of Science, Institute of Mathematics, Warsaw, Poland.

1992 – Habilitation, Economics (Operations Research), Warsaw School of Economics (WSE), Warsaw, Poland.

2003 – Professor (title), Economics (Econometrics), State Commission for Scientific Degrees, Warsaw, Poland.

Duties

Since 1995 – Head of Division of Decision Analysis and Support, Institute of Econometrics, Warsaw School of Economics, Warsaw, Poland.

Since 1995 - Professor at the Institute for Modern Civilization, Warsaw School of Economics (WSE), Warsaw, Poland

1999-2006 – Member of Polish-American MBA Program in WSE

1993-1996 – Dean of Diploma Studies at WSE, WSE Senate Member

Academic Honors

- Adjunct Professor of International Business Studies at Carlson School of Business, University of Minnesota, Minneapolis USA.
- Member of the Research Council of Social Research Institute, Warsaw University, Warsaw, Poland, nomination of the Rector of Warsaw University, third term.
- Member of the Research Council of System Research Institute, Polish Academy of Sciences, Warsaw, Poland, two terms, 1999-2007.
- Member of the Program Council of Science Festival, Warsaw, Poland, eight terms, 1997 – 2007.
- Vice-President of the Polish Chapter of INFORMS - Information Science, Operations Research, Managements Science Society, since 1996.
- Chairman of the Selection Committee of the Annual Awards for Research of nationwide weekly "Polityka", since 1996.

Research Interests

- Decision Analysis Methods, Multiple Criteria Decision Analysis, Application of Operations Research and Artificial Intelligence in Management and Economics, Negotiation Support Procedures, Economics of Education.

Research Activities

- Eleven Ph.D. theses completed and next five in their final phase; twice PhD committee member at the Université Catholique Louvain Belgium.
- Research collaboration with Center of Operations Research and Econometrics, Université Catholique Louvain-la-Neuve, Belgium; Department of Economics, University of Arizona, Tucson, USA; Department of Computer Science, University of Ottawa; Institute for Computer Science and E-Commerce, State Technical University, Odessa, Ukraine.
- Visiting Scholar at Université Catholique Louvain-la-Neuve (Belgium), University of Ottawa and Carleton University (Canada).

- Project Leader in grants from the Polish National Research Committee and Project Coordinator in grants from the European Commission, Brussels, Belgium.

Teaching Activities

- Lecturing in Polish and English: Statistical Decision Analysis, Mathematics for Business Students, Management Science, Optimization Methods, Advanced/Calculus, at all levels – Undergraduate, Graduate, Executive and at International MBA Studies; organization and coordination of the Program in Decision Analysis, numerous Master theses supervised.
- Lecturer (Linear Algebra for Business Students,) at Carleton University, Ottawa, Canada.
- Invited courses in application of operations research and Management Science in National School of Public Administration, School of Social Sciences (Warsaw University), Carlson School of Management, University of Minnesota, USA (AACSB and NCACS-accredited MBA Program in Poland). Awards for excellence in teaching from Polish and Canadian universities.

International Projects

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| 2005-2007 | <i>"ALIPRO: Supporting the Alignment of IST Research Programs on Mobile Communications in the New Member States"</i> , the VIth Framework, European Commission, Coordination of the International Group (11 countries), <i>"Benchmarking of national and regional research programs"</i> |
| 2002-2004 | <i>"TAMI - Technology Assessment in Europe; Between Method and Impact"</i> , the Vth Framework, European Commission, Coordinator of the Polish Group. |
| 1993-1999 | Leader of two TEMPUS Projects funded by European Commission, joint budgets \$930,000. |
| 1994-1997 | <i>"School of Social Skills"</i> , Project Co-Leader, HESP, budget \$640,000. |
| 1994-1996 | National Project Leader of the Project MENTOR-pl, British Know How Fund. |

Awards

- Five Awards of the Rector of WSE for Achievements in Research, Teaching and Organization. Twice Excellence in Teaching Award by the students of Canadian Executive MBA Program.

Consulting and Expert Activities

- Reports for Polish Ministry of Finance and of Education.
- Services for the Polish Ministry of Economy (an Information System) and Treasury Board (representing the Government in the ING Bank Śląski Board of Directors).
- Independent Member of the Supervisory Board (Aviva - Commercial Union).
- Projects for UNIDO (training), European Commission (project evaluation), Fulbright Selection Commission.

Publications

Selected Monographs and Books edited

- *Privacy – the right or the product*, (in Polish), editor, XLIII Research Bulletin of the Institute of Modern Civilization, Warsaw, 2008.
- *The Socio-Economic Transformation* (Guest co-editor with Z. Nahorski and J. Owsiński), Macmillan Palgrave, 2007.
- *Discovering Patterns in Economic Data*, Editor, Annals of College of Economic Analyses, vol. XVII, 2007.
- *Humanity and Technology*, (in Polish), Co-Editor, XXXIV Research Bulletin of the Institute of Modern Civilization, Warsaw, 2006.
- *Academic Warsaw*, (in Polish), Co-Editor, XLI Research Bulletin of the Institute of Modern Civilization, Warsaw, 2008.

- *Scientific Periodicals – Decline or Transformation*, (in Polish), Co-Editor, XXXIX Research Bulletin of the Institute of Modern Civilization, Warsaw, 2007.
- *Teaching of Thinking*, (in Polish), Co-Editor, XXXVII Research Bulletin of the Institute of Modern Civilization, Warsaw, 2007.
- *Polish Universities in the XXI Century*, (in Polish), Co-Editor, XXXII Research Bulletin of the Institute of Modern Civilization, Warsaw, 2006.
- *Roles Symbols Play* (ed.), (in Polish), SGGW Press, Warsaw, 2006.
- *Mechanisms Shaping Educational Decisions* (co-editor with B. Minkiewicz and co-author), (in Polish), WSE PRESS, Warsaw, 2004.
- *Information Science in Social Policy*, (co-editor with M. Muraszewicz and J. Nowak and co-author), in Polish, The Polish Informatics Society Press, 2003.
- *Memory and Action* (ed.), (in Polish), SGGW Press, Warsaw, 2002.
- *Educational Biograms* (co-editor with B. Minkiewicz and co-author), SIMP Press, Warsaw, 2001.
- *Transition to Advanced Market Economies*, Annals of Operations Research, Guest Editor of the Special Issue, with Z. Nahorski and J. Owsński, Vol. 97, 2000.
- *Managerial Decisions Using Excel* (ed. and co-author), Polish Economic Publishers PWE, Warsaw, 2000.
- *Internet – New strategy for the firm* (in Polish), with: R. Ciemniak, Difin, Warsaw, 1999.
- *Poland and European Integration – Information Aspects* (ed.), (in Polish), SGGW Press, Warsaw, 1999.
- *Inter-university Teaching* (ed.), SGGW Press, Warsaw, 1999.
- *Calculus. Manual for Economists* (in Polish; with: W. Dubnicki and J. Kłopotowski), 2nd ed. revised and changed (1st in 1996), PWN, Warsaw, 1999.
- *Pondering Decisions* (in Polish), Polish Science Publishers PWN, Warsaw, 1993.
- *Interactive Approach in Decision Support* (in Polish), Habilitation Monograph, Monographs and Report Series, Vol. 338, WSE PRESS, Warsaw, 1991.

Selected Articles

- "On Multiple Criteria Genetic Approach to Transportation Problem", (submitted), with G.Koloch, in: Proceedings of the Conference International Workshop on Multiple Criteria Decision Making '09,
- "Data privacy: from technology to economics", with S.Matwin, in: "Recent Advances in Machine Learning", Springer's Studies in Computational Intelligence, J. Koronacki, S.T. Wierzchon, Z.W. Ras, J. Kacprzyk (eds), in print, 2009.
- "Intelligent Learning of Behavioral Decision Patterns From Business Data", in: "Customer Experience Management. Informational Approach to Driving User Centricity", B. Jacobfeuerborn (ed.), MOST, Warsaw, pp. 59-72, 2009.
- "Marketing Strategies In ICT. Marketing Approach vs. Sales Approach", with K.Siedlecka, in: "Customer Experience Management. Informational Approach to Driving User Centricity", B.Jacobfeuerborn (ed.) MOST, Warsaw, pp. 87-112, 2009.
- "On Conditional Value-at-Risk Based Goal Programming Portfolio Selection Procedure", współautorzy: M. Czupryna, B. Kaminski, w: *Multiobjective Programming and Goal Programming. Theoretical Results and Practical Applications*, Series: Lecture Notes in Economics and Mathematical Systems, Vol. 618, Barichard, V.; Ehrgott, M.; Gandibleux, X.; T'Kindt, V. (eds.), 2009.
- "An Attempt to Use Rough Sets in Conflict Analysis of the European Budget Compromising", współautor I. Gruszka, w: *Group Decision and Negotiation 2007 Proceedings Vol.II. InterNeg*, Kersten G.E., Rios J., Chen E. (eds.), *Concordia University, Montreal, Canada*, pp. 95-112, 2007
- "Negotiating an Investment Startegy with Fuzzy Redescriptions", współautor P. Wojewnik, w: *Group Decision and Negotiation 2007 Proceedings*, Kersten G.E., Rios J., Chen E. (eds.), *Vol.II. InterNeg, Concordia University, Montreal, Canada*, pp. 403-414, 2007.
- „Social Capital and Investment Attractiveness”, with: J.Kochanowicz and E.Sójkowska, *Annals of the College of Economic Analyses*, "Discovering Patterns in Economic Data", T.Szapiro (ed.), pp. 119-140, vol. XVII, 2007.

- „*Social Capital and Economic Development. Automated Generation of Research Hypotheses*”, with: A.Główka and D.Wachol, *Annals of the College of Economic Analyses, “Discovering Patterns in Economic Data”*, T.Szapiro (ed.), vol. XVII, pp.141-166, 2007.
- *Towards a Framework for Assessing the Impact of Technology Assessment* (co-author) in: “*Bridges between Science, Society and Policy. Technology Assessment - Methods and Impact*”, M. Decker and M. Ladikas (eds), Springer, Berlin Heidelberg New York, 2004.
- *Culturally-based framing factors that Influence Technology Assessment*, w: “*Bridges between Science, Society and Policy. Technology Assessment - Methods and Impact*”, M. Decker and M. Ladikas (eds), Springer, Berlin Heidelberg New York, 2004.
- *Business Education*, in: *Unemployment and Economic Growth*, Warsaw World Economy Research Institute, WSE, 2004
- *Using Internet in International Negotiations* (in Ukrainian; with V.Lubchenko), in: *Virtuality and Education* (W.A. Grjeboniuk and W.W. Sjemjeniec (eds), 2003.
- *Structural marketing innovation conflict analysis and support*, with J.Matysiewicz, *Control and Cybernetics*, pp. 203-225, Vol. 30, nr 2, 2001.
- “*On Testing Performance of a Negotiation Procedure in Distributed Environment*”, with: P.Polak, in: “*Multiple Criteria Decision Making in the New Millennium*”, M. Köksalan and S.Zionts, (eds), *Proceedings of the XVth International Conference on Multiple Criteria Decision Making*, Ankara, July 10-14, 2000, *Lecture Notes in Economics and Mathematical Systems*, Vol. 507, 2001, XII, pp. 93-100.
- “*Toward Net Negotiations*”, with: P. Polak, in: *Proceedings of the Conference „On the Foundations and Application of Utility, Risk and Decision Theory - FUR VIII*, Mons, May 14-16, 1997.
- “*Computer-based Analysis of an Economy in Transition to Steady State Equilibrium*”, with: K. Cichocki, *Proceedings of the International Conference “Artificial Intelligence in Economics and Management*”, pp. 175-191, Tel Aviv, 1996.
- “*Quantitative Methods for Transition to Free Market*”, with: K.Cichocki and T.Kuszewski, in: *Proceedings of the Conference „Education for Transition to Market Economy”*, K.Cichocki and P.Marer (eds), pp. 202-214, Polish Fulbright Alumni Association. Warsaw, 1996.

- "Convergence of the Bi-Reference Procedure in Multiple Criteria Decision Making", *Ricerca Operativa*, Vol. 23, nr 66, pp. 65-86, 1993.
- "A Bi-Reference Procedure for Interactive Multiple Criteria Programming", with: W. Michałowski, *Operations Research*, 1992, Vol. 40, nr 1, pp. 247-258.
- "Genetic Algorithms Approach to a Negotiation Support System", *IEEE Transactions on Systems, Man and Cybernetics*, with S. Matwin and K. Haigh, Vol. 21, nr 1, pp. 102-114, 1991.
- "A Procedure for Worst Outcomes Displacement in Multiple Criteria Decision Making", with: W. Michałowski, *Computers and Operations Research*, Vol. 16, nr 3, pp. 195-206, 1989.
- „A Safe Choice Procedure in Interactive Programming”, with: W. Michałowski, in: *Proceedings of the International Conference on Multiple Criteria Decision Making, “Improving Decision Making in Organizations”*, A. G. Lockett and G. Islei (eds), Manchester 1988, Springer-Verlag, Berlin, t. 335, pp. 454-461, Berlin, 1989.
- „A Machine Learning, Genetic-Based Support for a Bargaining Problem”, with: S. Matwin, in: *Proceedings of the International Conference on Multiple Criteria Decision Making “Applications in Industry and Service”*, Bangkok Dec. 6-8 1989, pp. 435-450, AIT Bangkok, 1989.
- „Negotiating of Quasi-Concave Aspiration Functions”, with: G. E. Kersten, *Belgian Journal of Operations Research, Statistics and Computer Sciences*, t. 27, nr 3, pp. 17-42, 1987.
- "Generalized Approach to Modeling Negotiations", *European Journal of Operational Research*, Vol. 26, nr 1, pp. 142-149, 1986, with G. E. Kersten.
- „A Redescription of a Negotiating Problem with Decision Makers under Pressures”, in: „*Compromise, Negotiation and Group Decision*”, B. Munier and M.F. Shakun (eds), Dordrecht: Reidel Publ. Cy, pp. 177-194, 1988, with G. E. Kersten.
- "The Calculus of Variations for Multiple Integrals Depending on Higher Order Derivatives", *Annals of Global Analysis and Geometry*, Vol. 2, nr 1, pp. 19-54, 1984.
- “Geodesic Fields in the Calculus of Variations for Multiple Integrals Depending on Higher Order Derivatives”, in: „*Differential Geometrical Methods in Mathematical Physics*”, P.L.Garcia, A.Perez-Rendon, J.M.Souriau (eds), Vol. 836, pp. 504-511, 1979.

Invited presentations

- "*Endogenous infeasibility penalties in multiobjective genetic search*", with G.Koloch, MCDM 2009, Chendgu, China, 2009.
- „*People in Digital Worlds. Numbers in People's World*". The Polish Academy of Skills, Cracow, 2009, (in Polish).
- "*Economic aspects of data privacy protection*", SSOKU09 - 1st European Conference on Software Services and SOKU technologies, Brussels, 2009.
- "*Discovering Patterns in Economic Data*"; Decision Engineering Insitute, Universidad Rey Juan, Madrid, Spain, 2008.
- "*Fuzzy Multiple Criteria Negotiation Support: Bridging Subjectivity with Imprecise Conflict Redescription*", Concordia, Montreal, 2006.
- "*Decision. Bridging goals with Assets*", presentation for Mobile Open Society Technology Foundation, Siofok, Hungary.
- "*The changing mission of the University - East and West*", panel debate, Education Leadership Program of A.Christian Endavour Foundation, 1999.
- „*On Stability of Solutions of Systems of Ordinary Differential Equations Modeling Markets with Permanent Shortage*", Department of Mathematics and Statistics, Carleton University, Ottawa, Canada, 1989.
- „*Must Queues Exist in the Economy of Shortage?*", School of Business, Carleton University, Ottawa, Canada, 1989.
- „*On a MCDM model for Negotiations*", School of Management, University of Buffalo, USA, 1989.
- "*An Interactive Procedure for Individual Choice Problems*", Department of Management Science and Information Technology, University of Georgia, Athens, USA, 1989.
- „*A Procedure for Finding the Fittest Rules in the Bargaining Problem*", Department of Computer Science, University of Ottawa, Ottawa, Canada, 1989.
- "*Architecture of a Forecast Support System*", Istituto di Statistica, Universita di Siena, Siena, Italy, 1991.
- „*In a Search of a Model for Universities: Problem of Definition and Implementation*", panel debate „Organizational Changes in Universities", IMHE-OECD, Warsaw, 1994.
- „*Transforming Education Systems in Poland of Nineties*", Carlson School of Management, University of Minnesota, 1995.

- *„The triangle: liberal education - economy - civil society: the Polish case”*, contribution in the debate *„What does liberal education offer the civil society?”*, Budapest, 1996.

References

Available upon request