

Sławomir Nowaczyk

Curriculum Vitae

Personal information:

Birth Date & Place:	8 th December 1978, Poznań, Poland
Address:	Halmstad University, Box 823, 301 18 Halmstad, Sweden
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Academic career:

since March 2015	Associate Professor at CAISR, School of Information Science, Computer and Electrical Engineering at Halmstad University , Sweden
Nov 2010 – Mar 2015	Assistant Professor at CAISR, School of Information Science, Computer and Electrical Engineering at Halmstad University , Sweden
Nov 2010 – Nov 2014	Part-time researcher at Volvo Advanced Technology and Research, within strategic mobility programme funded by KK-Foundation
since October 2008	Assistant Professor at Computer Science Lab at AGH University of Science and Technology in Cracow, Poland
May 28th 2008	Defended Philosophiae Doctor thesis entitled <i>Conditional Partial Plans for Rational Situated Agents Capable of Deductive Reasoning and Inductive Learning</i> (available online here)
Sep 2002 – May 2008	PhD studies at Lund University , Department of Computer Science, on combining planning, reasoning and learning for agents with bounded resources, supervisor Professor Jacek Malec
Jan 2001 – June 2002	Master's Thesis supervised by Professor Roman Słowinski , investigate use of background knowledge to improve inductive learning, entitled <i>Decision Support Based on Analytical Learning</i>
Oct 1997 – June 2002	Master of Science Engineer studies in Computing Science at Poznan University of Technology, Electrical Engineering Faculty

Scientific community:

I am currently a co-supervisor for one industrial PhD student (Rune Prytz, employed at Volvo Technology) and three academic PhD students (Iulian Carpatorea, Yuantao Fan and Hassan Nemati). Rune has defended his <i>Licentiate</i> degree on 26th of September 2014.
Since 2010, I have received multiple external grants. In total, they amount to more than 14 million Swedish kronor that have been awarded to Halmstad University. Most of those projects were based on industrial co-funding, and therefore their total budgets were significantly higher.
I have reviewed papers for <i>European Journal of Operational Research</i> and <i>Transactions on Neural Networks and Learning Systems</i> journals, as well as for over ten different conferences.
I am currently a board member of SAIS, the Swedish Artificial Intelligence Society. I have been on SAIS Election Committee for three years before that.
I am the organiser for SCAI 2015, the 13th Scandinavian AI Conference, that will take place in Halmstad in November 2015.

Selected publications list:

Thorsteinn Rögnvaldsson, Stefan Byttner, Rune Prytz, Sławomir Nowaczyk and Magnus Svensson. Self-Monitoring for Maintenance of Vehicle Fleets . Submitted to <i>IEEE Transactions on Industrial Informatics</i> , under review.
Rune Prytz, Sławomir Nowaczyk, Thorsteinn Rögnvaldsson and Stefan Byttner. Predicting the Need for Vehicle Compressor Repairs Using Maintenance Records and Logged Vehicle Data . <i>Engineering Applications of Artificial Intelligence</i> , 2015, Vol 41, pp 139–150.
Iulian Carpatorea, Sławomir Nowaczyk, Thorsteinn Rögnvaldsson and Marcus Elmer. APPEs Maps as Tools for Quantifying Performance of Truck Drivers . In <i>10th International Conference on Data Mining (DMIN'14)</i> , Las Vegas, USA, 2014.
Yuantao Fan, Sławomir Nowaczyk and Thorsteinn Rögnvaldsson. Using Histograms to Find Compressor Deviations in Bus Fleet Data . In <i>28th Swedish Artificial Intelligence Society Workshop (SAIS-14)</i> , Stockholm, Sweden, 2014.
Sławomir Nowaczyk, Rune Prytz, Thorsteinn Rögnvaldsson and Stefan Byttner. Towards a Machine Learning Algorithm for Predicting Truck Compressor Failures Using Logged Vehicle Data . In <i>12th Scandinavian AI Conference (SCAI'13)</i> , Denmark, 2013.
Stefan Byttner, Sławomir Nowaczyk, Rune Prytz and Thorsteinn Rögnvaldsson. A field test with self-organized modeling for knowledge discovery in a fleet of city buses . In <i>IEEE International Conference on Mechatronics and Automation (ICMA'13)</i> , Kagawa, Japan, 2013.
Rune Prytz, Sławomir Nowaczyk, Thorsteinn Rögnvaldsson and Stefan Byttner. Analysis of Truck Compressor Failures Based on Logged Vehicle Data . In <i>9th International Conference on Data Mining (DMIN'13)</i> , Las Vegas, USA, 2013.
Rune Prytz, Sławomir Nowaczyk and Stefan Byttner. Towards relation discovery for diagnostics . In <i>International Workshop on Data Mining for Service and Maintenance, 17th ACM SIGKDD Conference on Knowledge Discovery and Data Mining</i> , San Diego, USA, 2011.
Mathias Haage, Jacek Malec, Anders Nilsson, Klas Nilsson and Sławomir Nowaczyk. Declarative Knowledge-Based Reconfiguration of Automation Systems Using a Blackboard Architecture . In <i>SCAI-2011</i> , Trondheim, Norway, 2011.
Sławomir Nowaczyk. A Knowledge-Based Approach to Modelling Planning Domains with Uncertainty for Resource Bounded Agents . In <i>7th Conference on Computer Methods and Systems</i> , Kraków, Poland, 2009.
Sławomir Nowaczyk and Jacek Malec. Inductive logic programming algorithm for estimating quality of partial plans . In <i>6th Mexican International Conference on Artificial Intelligence (MICAI'07)</i> , Lecture Notes in Computer Science volume 4827, Springer, 2007.
Sławomir Nowaczyk and Jacek Malec. Learning to evaluate conditional partial plans . In <i>6th International Conference on Machine Learning and Applications (ICMLA'07)</i> , USA, 2007.
Jerzy Stefanowski and Sławomir Nowaczyk. An Experimental Study of Using Rule Induction Algorithm in Combiner Multiple Classifier . In <i>International Journal of Computational Intelligence Research</i> , volume 3, number 4, pages 335–342, December 2007.
Jacek Malec, Anders Nilsson, Klas Nilsson, Sławomir Nowaczyk. Knowledge-Based Reconfiguration of Automation Systems . In <i>3rd IEEE International Conference on Automation Science and Engineering (IEEE CASE)</i> , Scottsdale, USA, 2007.
Sławomir Nowaczyk, Cristina Isvoranu, Saioa Zorita, Thaer Barri, Florentina Trif. Mind the Gap! Bridging the Gap between Theory and Practice in Laboratory Assignments . In <i>Utvecklingskonferens LU</i> , Lund, Sweden, 2007.