Pascal Van Hentenryck

Professor, Russel Chandler III Chair, industrial and systems engineering at Georgia Tech College of Engineering

Atlanta, GA, US

Pascal Van Hentenryck is an expert in Artificial Intelligence, Data Science, and Operations Research.

Biography

Pascal Van Hentenryck is an A. Russell Chandler III Chair and Professor in the H. Milton Stewart School of Industrial and Systems Engineering at Georgia Tech. Prior to this appointment, he was a professor of Computer Science at Brown University for about 20 years, he led the optimization research group (about 70 people) at National ICT Australia (NICTA) (until its merger with CSIRO), and was the Seth Bonder Collegiate Professor of Engineering at the University of Michigan. Van Hentenryck is also an Honorary Professor at the Australian National University. Van Hentenryck is a Fellow of AAAI (the Association for the Advancement of Artificial Intelligence) and INFORMS (the Institute for Operations Research and Management Science). He has been awarded two honorary doctoral degrees from the University of Louvain and the university of Nantes, the IFORS Distinguished Lecturer Award, the Philip J. Bray Award for teaching excellence in the physical sciences at Brown University, the ACP Award for Research Excellence in Constraint Programming, the ICS INFORMS Prize for Research Excellence at the Intersection of Computer Science and Operations Research, and an NSF National Young Investigator Award. He received a Test of Time Award (20 years) from the Association of Logic Programming and numerous best paper awards, including at IJCAI and AAAI. Van Hentenryck has given plenary/semi-plenary talks at the International Joint Conference on Artificial Intelligence (twice), the International Symposium on Mathematical Programming, the SIAM Optimization Conference, the Annual INFORMS Conference, NIPS, and many other conferences. Van Hentenryck is program co-chair of the AAAI?19 conference, a premier conference in Artificial Intelligence. Van Hentenryck?s research focuses in Artificial Intelligence, Data Science, and Operations Research. His current focus is to develop methodologies, algorithms, and systems for addressing challenging problems in mobility, energy systems, resilience, and privacy. In the past, his research focused on optimization and the design and implementation of innovative optimization systems, including the CHIP programming system (a Cosytec product), the foundation of all modern constraint programming systems and the optimization programming language OPL (now an IBM Product). Van Hentenryck has also worked on computational biology, numerical analysis, and programming languages, publishing in premier journals in these areas.

Areas of Expertise

Data Engineering, Analytics and Machine Learning, Energy Systems, Data Science, Artifical Intelligence, Operations Research, Resilience, Energy and Sustainable Systems

Affiliations

Association for Advancement of Artificial Intelligence, Institute for Operations Research and Management Science

Education

University of Namur
Ph.D. Computer Science

University of Namur
M.S. Computer Science

University of Namur
B.S. Computer Science

Selected Accomplishments

Richard Newton Research Excellence Award
Richard Newton Research Excellence Award, NICTA. 2015

IFORS Distinguished Lecturer
IFORS Distinguished Lecturer, Minneapolis, Minnesota. 2013

ACP Award for Research Excellence in Constraint Programming
ACP Award for Research Excellence in Constraint Programming 2006

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