Kamil Kloch

Curriculum Vitae

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Work Experience

03/2014 – present	Superfund Technologies, Kraków **Quant Developer**
02/2013 – 02/2014	German Research Centre for Artificial Intelligence (DFKI) **Senior Researcher**
09/2012 – 02/2013	University of Kaiserslautern **Researcher**
02/2009 – 09/2012	Embedded Systems Lab, University of Passau **Postdoc**
10/2003 – 12/2008	Algorithmics Research Group, Jagiellonian University, Kraków **Teaching Assistant**
08–10/2002	sd&m AG, Stuttgart **Software Engineer (Internship)**

Education

10/2003 – 10/2008	Ph.D., Computer Science (Ph.D. with honors) Algorithmics Research Group, Jagiellonian University, Kraków Thesis: 'On-line dimension of semi-orders' Advisor: Paweł M. Idziak
02–09/2005	Marie-Curie Scholarship, European Graduate Program 'Combinatorics, Geometry and Computation', Technical University Berlin, Germany
10/2001 – 02/2002	Socrates-Erasmus Scholarship, Augsburg University, Germany
1998 – 2003	M.Sc., Computer Science (diploma with honors) Jagiellonian University, Kraków

Teaching

Spring 2010 – 2012	Deggendorf University of Applied Sciences Lecturer, 'Theoretische Informatik'
Fall 2011	University of Passau Teaching Assistant, 'Machine Learning'
Fall 2009	Johannes Kepler University of Linz Lecturer, 'Pervasive Computing'
Fall 2004–2008	Jagiellonian University, Kraków Teaching Assistant, 'Advanced Algorithms and Data Structures'
09/2003 – 05/2005	V High School, Kraków Teaching Assistant, 'Algorithmics'
Spring 2004	WSB National-Louis University, Nowy Sącz Lecturer, 'Automata and Compilers'

Projects

SOCIONICAL 02/2009 – 02/2013	**Deputy Coordinator** budget: 6.8M EUR, duration: 48 months, 14 Partners (ETH Zürich, London School of Economics, TU München, Fraunhofer FIT & others)
CoCoRec 09/2012 – 02/2014	**Project Manager** budget: 1.2M EUR, duration: 36 months. Collaborative Context Recognition: indoor localisation, collective states and phenomena (mobility patterns, crowd dynamics, crowd density)
reckonMe 09/2011 – 02/2014	**Developer** (C++, python, couchdb) Live inertial navigation, proximity detection and collaborative localisation on a mobile device github.com/reckonMe

Awards

1999 – 2001	Scholarship from the Polish Minister of Education
2000	Ranked 3rd in the ACM European Collegiate Programming Contest, Prague
2000	Ranked 3rd in the Polish Collegiate Programming Contest, Warszawa
1998	Ranked 3rd in the V Polish Informatics Olympiad
1998	Finalist of the XLIX Polish Mathematics Olympiad

Publications

Benjamin Thiel, Kamil Kloch, Paul Lukowicz. Sound-based Proximity Detection With Mobile Phones. *PhoneSense '12*, p. 4:1–4:4, 2012

Bartłomiej Bosek, Stefan Felsner, Kamil Kloch, Tomasz Krawczyk, Grzegorz Matecki and Piotr Micek. On-line chain partitions of orders: a survey. *Order*, 29 (2012), p. 49–73

Bartłomiej Bosek, Kamil Kloch, Tomasz Krawczyk and Piotr Micek. On-line version of Rabinovitch theorem for proper intervals. *Discrete Mathematics* (2012)

Bartłomiej Bosek, Kamil Kloch, Tomasz Krawczyk and Piotr Micek. On-line dimension of semi-orders. *Order* (2012), p. 1–23

Stefan Felsner, Kamil Kloch, Grzegorz Matecki and Piotr Micek. On-line chain partitions of up-growing semi-orders. *Order*, 28 (2011), p. 1–17

Kamil Kloch, Paul Lukowicz and Carl Fischer. Collaborative PDR Localisation with Mobile Phones. *2011 15th Annual International Symposium on Wearable Computers (ISWC)*. p. 37–40

Kamil Kloch, Gerald Pirkl, Paul Lukowicz and Carl Fischer. Emergent Behaviour in Collaborative Indoor Localisation: an Example of Self-organisation in Ubiquitous Sensing Systems. *ARCS'11: 24th international conference on architecture of computing systems*, p. 207–218

K. Zia, A. Ferscha, A. Riener, M. Wirz, D. Roggen, K. Kloch, and P. Lukowicz. Scenario Based Modeling for Very Large Scale Simulations. *Proceedings of the 2010 IEEE/ACM 14th International Symposium on Distributed Simulation and Real Time Applications*, IEEE Computer Society, p. 103–110.

Kamil Kloch, Jan W. Kantelhardt, Paul Lukowicz, Patrick Wüchner, and Hermann de Meer. Ad-Hoc information spread between mobile devices: a case study in analytical modeling of controlled self-organization in IT systems. *ARCS'10: 23rd international conference on architecture of computing systems*, p. 101–112

Kamil Kloch. Online dimension of partially ordered sets. *Reports on Mathematical Logic* 42 (2007), p. 101–116

Languages

Polish (native), English (fluent), German (fluent)