Curriculum Vitae

General and contact information

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Marital status:	married

Education

2016	A life-time full professorship conferred by The President of Republic of Poland upon a motion of the Central Commission for Academic Degrees and Titles
2009	Habilitation in computer science, from Silesian University of Technology, Poland, by unanimous vote
2000	Ph.D. in computer science, Wroclaw University of Technology (with honours)
1991	M.Sc. in computer science, Wroclaw University of Technology (with honours)

Employment

2017-	Full professor at the Faculty of Computer Science and Management, Wroclaw University of Science and Technology, Poland
2013-	Leader of ENGINE – The European Centre for Data Science (former European Research Centre of Network Intelligence for Innovation Enhancement), Wroclaw University of Science and Technology, Poland
2014-17	Professor at Department of Computational Intelligence, Wroclaw University of Technology
2010-14	Professor at Institute of Informatics, Wroclaw University of Technology
2009-10	Associate Professor at Institute of Informatics, Wroclaw University of Technology
2001-09	Assistant Professor, Department of Information Systems, Wroclaw University of Technology
2008	Researcher in British Telecom Group, BT Innovate, Intelligent Systems Research Centre (ISRC), Ipswich, United Kingdom
2004-06	Deputy Director for Development, Institute of Applied Informatics, Wroclaw University of Technology
1999-2001	Lecturer, Faculty of Computer Science and Management, Wroclaw University of Technology
1991-99	Assistant, Department of Information Systems, Wroclaw University of Technology

Recent research interests

- Emotion detection from physiological signals gathered from wearables
- Offensive and subjective speech identification with personalization
- Emotions and influence in social media
- Deep learning for physiological signals
- Spread of influence and diffusion processes in networks
- Social and complex networks and their analysis, incl. temporal social networks
- Machine learning
- Natural language processing, sentiment and emotion analysis, opinion mining

- Prediction of promising research topics and efficiency of research grants
- Parallel processing of networked data
- Representation learning - embedding of temporal and complex structures for deep learning
- Data science, big data and data mining

Former research interests
- Social-based systems
- Knowledge management
- Intelligent systems
- Intelligent data analysis in medicine, telecommunication, trade and finances
- Adaptive and personalized systems
- Recommender systems
- Data warehouses
- Content management
- XML standards, CMS, EDI/EAI
- Data security, especially intrusion detecting systems (IDS), Public Key Infrastructure (PKI)
- E-commerce
- Internet Information Retrieval

Research Grants (Principal Investigator)
Total value of acquired grants as a PI: ca. 37 M PLN ≈ 8 M EUR.

2021-25	Affective computing: deep learning in emotion recognition from physiological signals, research project funded by National Science Centre
2020-24	CLARIN - Common Language Resources and Technology Infrastructure, funded by National Information Processing Institute - National Research Institute
2017-21	Models, methods and algorithms of computational network science, research project funded by National Science Centre
2016-19	RENOIR - Reverse EngiNeering of sOcial Information pRocessing, European Union, H2020, also supported by Polish Ministry of Science and Higher Education
2014-17	Machine learning methods for complex networks, research project funded by National Science Centre
2013-16	ENGINE - European research centre of Network intelliGence for INnovation Enhancement, European Union, FP7-REGPOT-2012-2013-1, no. 316097, coordinator
2011-15	TRANSFoRm - Translational Research and Patient Safety in Europe, European Union, FP7 247787
2011-14	Multiply model prediction for dynamic regression problems, research project founded by National Science Centre
2011-12	"Green Transfer" funded by The Office for Cooperation with Universities at Wroclaw City Hall
2011-12	Sequential structured prediction using machine learning methods, supervisorial research project founded by National Science Centre
2010-13	The Polish Ministry of Science and Higher Education research grant: Data mining in complex social network systems
2009-12	Polish Ministry of Science and Higher Education development grant for analysis of social neighbourhood of suspicious persons
2006-09	Polish Ministry of Science and Higher Education research grant: Data Mining Methods in Recommender Systems
2005-08	European FP6 Network of Excellence Nature-inspired Smart Information Systems; contribution: social networks

1996-97	Open Science Foundation Grant
1990-92	State Committee for Scientific Research grant: *Microcomputer system for management of serials*
2004	Wroclaw University of Technology Habilitation Research Grant
2000-01	Wroclaw University of Technology Research Grant

Cooperation with Industry

2019-20	tradeteq company, UK, embedding of temporal trade networks
2015	KGHM, evaluation of organisational structures using social network analysis methods
2014	TIM, trade data analysis
2014	brand24, sentiment analysis
2013	Alior Bank, big data in banking
2012-13	Polish Telecom (Telekomunikacja Polska S.A.) - xDSL services pre-qualification
2011-12	Kruk Incaso, DEMI - Debt Evaluation Model Improvement
2011-12	Research & Engineering Center Sp. z o.o. – research on green technologies
2009-12	Research and Engineering Center, Telnet – GRASP# project: Groups, Relationships and Activities of Suspected Persons, funded by The National Centre for Research and Development
2008-09	Kruk Incaso, repayment prediction for debt portfolio
2008	British Telecom, SoDiG project for evaluation of social values in customers
2004-05	industry research grant with Poland Gateway Sp. z o.o., the web system for integration of travel services; manager
2004-13	Altova GmbH, Vien, Austria and Software Konferencje Sp. z o.o.; professional workshops on XML technologies
2003-04	cooperation with Kruk Sp. z o.o.; CRM
2003-04	cooperation with Fujitsu Spain, Valencia; ROSA project – the commercial web recommendation system
2001-11	cooperation with SAS Institute, Inc. (warehouses, data mining, analytical systems)
2001-02	cooperation with Software AG (XML systems)
2000-01	sales-managing systems for a group of cooperating companies with network marketing sales model
2000	personal financial system — *Skarbnik*; InsERT Sp. z o.o.
1992-99	product distribution and sales management systems for American-Austrian Corporation „RAINBOW" Sp. z o.o. and representatives

Awards and Recognition

2019, 2018, 2017	"Laur Dziekana" - The best researcher award granted by the Dean of the Faculty of Computer Science and Management
2017	Special scholarship for distinguished research granted by the Rector of Wroclaw University of Science and Technology
2015-16	Paper entitled "*Social Networks on the Internet*" (WWW Journal) has been *Highly Cited Paper* in Web of Science for 2 months in 2015 and for 4 months in 2016, i.e. it was among 1% top cited papers of computer science worldwide
2014	The best PhD Thesis in Poland in 2012/13 granted by *Polish Artificial Intelligence Society* (*PSSI*), as supervisor, PhD student: Tomasz Kajdanowicz
2011	Best Paper Award, SocInfo'2011, Singapore
2010	Best Paper Award Nominee, AMCIS'2010, Peru, only 15 nominees out of over 600 papers
2009	The President of Poland – a Bronze Medal for Long-standing Service
2008	Research Fellowship, British Telecom
2008	Best Paper Award, The First World Summit on the Knowledge Society (WSKS)
2001, 2004, 2011-20	Wroclaw University of Science and Technology Rector Award

1996	Dean of Computer Science and Management Faculty Award

Keynote/Invited Talks at International Conferences and Universities

Keynote/Invited talks to international audience: invited talks on "Emotion Recognition Using Wearables: Advances and Challenges" (Emotion AI, 2020, online conference), "A cognition-driven temporal social network" (University of Notre Dame, USA, 2019), "CogSNet: Cognition-driven Social Network & temporal network quantification" (University of Technology Sydney, Australia, 2019), "CogSNet: a cognition-driven temporal social network", "Priority Attachment: A Universal Mechanism of Network Formation", and "Towards Reasonable Budget Allocation for Spreading Processes: Sequential Seeding" (University of California Davis, 2018); CCS 2019 (Singapore), NetSci 2017/Satellite on Social Influence in Networks (Indianapolis), BESC 2017 (Cracow, Poland), Polish Academy of Sciences – Poznań (2016), IWCSN 2014/WISE 2014 (Greece), SigmaPhi 2014 (Greece), Trinity College Dublin (Ireland, 2014), The Informatics & Telematics Institute, Thessaloniki, Greece, (2014), Summer School "Foundation and Applications of Social Network Analysis and Mining" (Greece, 2014), SOCIETY 2013 (USA), DATESO 2011 (Czech Republic), Polish Academy of Sciences (2011), BDAS 2011 (Poland), Universidad Carlos III de Madrid (Spain, 2011), British Telecom (UK, 2008), Friedrich-Alexander University Erlangen-Nuremberg (Germany, 2005, 2009)

Scientific Journals

- Social Network Analysis and Mining, Associate Editor.
- Frontiers in Big Data, Associate Editor
- International Journal of Knowledge Society Research, Associate Editor.
- Social Informatics, Area Editor.
- International Journal of Human Capital and Information Technology Professionals, Editorial Review Board Member
- The Encyclopedia of Social Network Analysis and Mining, Springer, 2014, second edition 2017, SNA Section Editor
- Guest Editor for the following journals: Scientific Programming (2015), Soft Computing (2015), Journal of Universal Computer Science (2012, 2013), New Generation Computing (2011), International Journal of Computer Science & Applications (2006)
- Reviewer for over 30 scientific journals

Publications

- 60+ journal papers, incl. 43 in journals with Impact Factor (JCR-listed)
- 17 books, book chapters, and book editorships
- 140+ peer-reviewed international conference papers
- 140+ papers indexed in Web of Science
- 4 patent applications
- In total, over 300 scientific papers published
- The recent list available at http://www.ii.pwr.wroc.pl/~kazienko/eng_publications.htm
- 1300+ external citations (Scopus), h-index=18; 3500+ citations in Google Scholar, h-index=31

Scientific Events

- Organisation of international conferences: NetSci X (2016), ENIC (2014-2017), MLSMA (2014), ASONAM (2012-2013), CaSON (2012), WSKS (2011)
- Organisation of international scientific workshops / satellite events: NetONets (at NetSci 2015-18), Multiple Network Modeling, Analysis and Mining (NetSci 2013-14), MMAML (ACIIDS 2010-2013), CSNA (ASONAM 2012), SNAA (at ASONAM 2011-2012), RAAWS (KES 2005-06)
- Member of Programme Committee for over 60 international conferences
- Participation in over 60 scientific international conferences

Membership in International Organisations and Societies

IEEE member, since 2008. IEEE Senior Member, since 06.2012.
Network Science Society - Board member, since 2015
Machine Intelligence Research - MIR Labs, Network of Excellence

Research visits

2019 Sep, Nov-Dec	University of Notre Dame, USA
2019 Jan-Feb	University of Technology Sydney, Australia
2018 Sep	University of Notre Dame, USA
2018 Jul-Aug	Slovenian Press Agency, Slovenia
2018 Jan-Feb	University of California Davis, USA
2017 Jun, Sep-Nov	University of Notre Dame, USA
2017 Jan-Apr	Rensselaer Polytechnic Institute, USA

Supervision

- 6 defended PhD students
- 7 recent PhD students
- 5 reviews for habilitations in Poland
- 8 PhD reviews in Poland, one in Italy, one in Sweden, one in France and one in Czech Republic
- Over 90 M.Sc. students supervised
- Over 100 M.Sc. theses reviewed

Teaching

- *Recent lectures on "data science", "personalized and recommender systems", "future trends in data science"*