Bartosz Krawczyk, Ph.D.

Assistant Professor, Department of Computer Science at VCU College of Engineering
Engineering East Hall, Room E4238, Richmond, VA, US

Dr. Krawczyk's areas of research are machine learning, data stream mining, medical informatics, big data, and computer vision.

Description

Bartosz Krawczyk is an assistant professor in the Department of Computer Science, Virginia Commonwealth University, Richmond VA, USA, where he heads the Machine Learning and Stream Mining Lab. He obtained his MSc and PhD degrees from Wroclaw University of Science and Technology, Wroclaw, Poland, in 2012 and 2015 respectively. His research is focused on machine learning, data streams, ensemble learning, class imbalance, one-class classifiers, and interdisciplinary applications of these methods. He has authored 35+ international journal papers and 80+ contributions to conferences. Dr Krawczyk was awarded with prestigious awards for his scientific achievements, including IEEE Richard E. Merwin Scholarship, IEEE Outstanding Leadership, START award from Foundation for Polish Science (twice), scholarship for excellent research achievements from Polish Minister of Science and Higher Education (twice), Czeslaw Rodkiewicz Foundation award for merging technical and medical sciences, and Hugo Steinhaus award for achievements in computer science among others. He served as a Guest Editor in four journal special issues (including Information Fusion and Neurocomputing) and as a chair of ten special session and workshops (organized at such conferences as ECML-PKDD or ICCS). He is a member of Program Committee for over 40 international conferences and a reviewer for 30 journals.

Industry Expertise

Education/Learning, Computer Software, IT Services/Consulting

Topics

Machine learning: ensembles, imbalanced data, one-class classification, kernel methods., Data stream mining: concept drift, active learning, online classification and regression., Big data: mining massive datasets, efficient and scalable learning algorithms, Medical informatics: clinical decision support, mining ubiquitous environments, activity recognition., Computer vision: deep learning, object detection, tensor methods, underwater image analysis.

Affiliations

Past Talks

Keynote speaker
10 International Conference on Computer Recognition Systems CORES 2017

Keynote speaker
12th International Conference on Hybrid Artificial Intelligence Systems HAIS 2017

Keynote speaker
Third International Symposium on Signal Processing and Intelligent Recognition Systems SIRS 17

Education

Wroclaw University of Science and Technology
Ph.D. Computer Science

Wroclaw University of Science and Technology
M.S. Computer Science

Wroclaw University of Science and Technology
B.S. Computer Science

Accomplishments

IEEE Outsanding Leadership Award
2015

Best paper award at 9th Computer Recognition Systems Conference CORES
2015

IEEE Richard E. Merwin Scholarship
2014

IEEE Travel Award for distinctive paper at World Congress on Computational Intelligence
2014
