Inaugural lecture
Prof. dr. Mykola Pechenizkiy
September 8, 2017

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Prof. dr. Mykola Pechenizkiy was appointed full professor of Data Mining at the Department of Mathematics and Computer Science of Eindhoven University of Technology on July 1st, 2016. He will deliver his inaugural lecture on September 8, 2017.

Mykola Pechenizkiy was awarded his BSc (2000) and MSc (2001) degrees in Computer Science from the National University of Radioelectronics, Kharkiv, Ukraine, and his PhD degree in Computer Science from the University of Jyväskylä, Finland, in 2005. He joined the Department of Mathematics and Computer Science, TU/e, as Assistant Professor in 2006. In 2016 he became Full Professor and Chair of the Data Mining group. His expertise and research interests are in predictive analytics and knowledge discovery from evolving data, and in their application to real-world problems in industry, commerce, medicine and education. He actively collaborates with industry on developing next-generation predictive analytics. At the Data Science Center Eindhoven he leads the Customer Journey research program. He serves as the President of IEDMS, the International Educational Data Mining Society, and as a member of editorial boards and program committees of AI, data mining and machine learning journals and conferences. As a panelist and an invited speaker he is an advocate of responsible data science and ethics-aware predictive analytics research.

About the lecture
Application-inspired research in predictive analytics contributes to the massive automation of data-driven decision-making and decision support. Many of these decisions affect our everyday life and its future. In this talk, I will revisit several popular applications in banking, intelligent transportation, personalized medicine and education to highlight why the general public, domain experts and policy makers have good reasons to consider existing off-the-shelf predictive analytics as a threat. In particular, it becomes better understood that predictive models may systematically discriminate groups of people even if data mining researchers and practitioners have only good intentions when they develop and apply predictive analytics. I will present my view on the current state-of-the-art and the further research that is needed to gain a deeper understanding of what it means for predictive analytics to be ethics-aware, transparent and accountable.

The Executive Board of Eindhoven University of Technology cordially invites you to attend the inaugural lecture of Prof. dr. Mykola Pechenizkiy on Friday, September 8, 2017, at 4.00 PM. The public lecture will be delivered in the Blauwe Zaal of the Auditorium. You do not need to register.

The lecture concerns
‘Responsible Predictive Analytics’

After the lecture, drinks will be served in the Senaatszaal.

All full professors are invited to join the cortège. If you want to join the cortège, please register in advance with the P&P office which organizes all academic ceremonies, telephone +31 (0)40 247 33 02, e-mail: penp@tue.nl.

Prof. dr. ir. F.P.T. Baaijens
Rector Magnificus

After September 8, 2017, the text of the inaugural lecture will be available online at www.tue.nl/lectures.