

# International Conference on Big Data Analysis and Data Mining

May 04-05, 2015 Kentucky, USA



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## A new use of synthetic data: Bridging concepts in the research and development literature

### Biography

Alex V Vasenkov has received his PhD degree in Physics and Mathematics from the Russian Academy of Science in 1996. Between 1996 and 1999, he was Researcher and then Senior Researcher in the Institute of Thermophysics at the Russian Academy of Science. He was trained as a Postdoctoral fellow in the Department of Chemistry at the University of British Columbia in 1999-2001 and in the Department of Electrical and Computer Engineering at the University of Illinois at Urbana-Champaign in 2001-2003. From 2003 till 2013 he directed engineering modeling and related R&D efforts at CFD Research Corporation. He was awarded and successfully managed peer-reviewed grants and contracts from major federal agencies (DOE, NSF, and DoD) and private companies such as Samsung Advanced Institute of Technology. He was co-PI of consulting service projects for many industrial companies including MKS, Inficon, GE, CoorsTek, and Caterpillar. Most recently, he co-founded a small-business company Multi Scale Solutions focusing on the development and commercialization of scientific business intelligence software for applications in Life Science, Nanotechnology, and Materials. He established network within academia, industry, and national laboratories. He is executive editor of Journal of Nanomedicine & Nanotechnology. He authored/co-authored over 30 publications in peer-reviewed journals, 1 book chapter, and over 50 presentations at leading scientific conferences.

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