

# Kristina Šutienė

## PERSONAL INFORMATION



-  Kaunas, Lithuania
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## WORK and PROJECTS

- 2023 - 2029 **EU „Centre of Excellence of AI for Sustainable Living and Working (SustAlnLivWork)“**  
Kaunas University of Technology, Centre of Artificial Intelligence (Project coordinator), with advanced partners, University of Tampere and Hamburg University of Technology, No.101059903, [www.sustainlivwork.eu](http://www.sustainlivwork.eu)  
▪ Development and application of R&I solutions based on Artificial Intelligence in the manufacturing, energy, health and transport sectors
- 2022 - 2024 **LMLT „Challenges of EU Green Deal for Economic Development - 5i: Integration, Investment, Innovation, Industry, Influence“**  
Kaunas University of Technology, Faculty of Mathematics and Natural Sciences (Project coordinator), Nr. S-PD-22-23  
▪ Development of a comprehensive evaluation methodology to assess the economic impact and potential benefits of EU Green Deal investments in the public and industrial sectors
- 2021 - 2024 **LMLT „Pension fund regulation during times of uncertainty in the context of sustainable investments“**  
Kaunas University of Technology, Faculty of Mathematics and Natural Sciences (Project coordinator), Nr. S-MIP-21-32  
▪ Development of mathematical models for pension funds to make decisions under uncertainty
- 2020 - 2024 **COST Action “Fintech and Artificial Intelligence in Finance - Towards a transparent financial industry”**  
Kaunas University of Technology, Faculty of Mathematics and Natural Sciences. Project coordinator - ZHAW School of Engineering (Switzerland), No. CA19130,  
▪ Co-leader of Working Group 2  
▪ Management committee for Lithuania  
▪ Research and cooperation on topics such as Transparent versus Black Box Decision-Support Models in the Financial Industry and Transparency into Investment Product Performance for Clients
- 2019 - 2021 **H2020 project “FINancial Supervision and TECHnological Compliance training programme - FIN-TECH“**  
Kaunas University of Technology, Faculty of Mathematics and Natural Sciences. Project coordinator - Pavia University (Italy), No. 825215, ICT-35-2018  
▪ Data science and artificial intelligence based model building for financial risk assessment  
▪ Transfer of competencies and exchange of best practises during meetings with experts from Bank of Lithuania, Financial and Capital Market Commission in Latvia, Financial Supervision and Crisis Resolution Authority in Estonia
- 2018 - 2021 **Erasmus+ KA2 project “MathE - Improve Math Skills in Higher Education“**  
Kaunas University of Technology, Faculty of Mathematics and Natural Sciences. Project coordinator - Polytechnic Institute of Bragança (Portugal)  
▪ Development of intellectual outputs to improve math skills
- 2017- 2019 **COST Action “Math in Industry”**  
Kaunas University of Technology, Faculty of Mathematics and Natural Sciences. Project coordinator - Weierstrass Institute (Germany), No. TD1409  
▪ Member of network  
▪ Organising industrial workshop, modelling weeks

- 2016 - 2019 **ESF project “Establishment of the Competence Center for Analysis, Simulation and Risk Management (i.MAMC)”**  
Kaunas University of Technology, Faculty of Mathematics and Natural Sciences. Project coordinator - State Tax Inspectorate Under the Ministry of Finance of the Republic of Lithuania, No. 10.1.1-ESFA-V-912-01-0001
  - Data science and artificial intelligence based model building for micro-level tax compliance and risk management
  - Transfer of competencies and exchange of best practises
- 2012 - 2015 **Vice Dean for Research**  
Kaunas University of Technology, Faculty of Mathematics and Natural Sciences
  - Research coordination and promotion
  - Cooperation management
  - Monitoring of open access research activities
- 2010 - present **Assoc. Professor**  
Kaunas University of Technology, Faculty of Mathematics and Natural Sciences
  - Teaching, research and consulting activities
- 2009 - 2010 **Assistant**  
Kaunas University of Technology, Faculty of Informatics
  - Teaching and consulting activities
- 2005 - 2009 **Engineer**  
Kaunas University of Technology, Faculty of Informatics
  - Technical tasks implementation

## EDUCATION

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- 2004 - 2008 **PhD, Doctor in Informatics**  
Kaunas University of Technology, Faculty of Informatics  
PhD thesis “Modelling of Insurance Underwriting and Investment Activities for Decision Making”
- 2001 - 2004 **Master of Applied Mathematics**  
Kaunas University of Technology, Faculty of Fundamental Sciences
- 1997 - 2001 **Bachelor of Applied Mathematics**  
Kaunas University of Technology, Faculty of Fundamental Sciences

## OTHER RESEARCH INFO

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- Research interests**
  - Risk modelling, measuring and management in financial systems and industry
  - Sustainable finance and ESG
  - Data science and artificial intelligence
  - Operations research and decision making
- Solutions for industry**
  - Research and development services provided for “Telia Lietuva” company (2022,2023), for “AON Baltic” company (2018), for “Limedika” company (2017)
  - KTU interdisciplinary project “Data Analysis for Client Loyalty Detection” in cooperation with “Limedika”, 2016
- Short-term projects**
  - Adoption of MOOC on Artificial Intelligence in Lithuanian language for high schools, 2022
  - Development of MOOC on Artificial Intelligence in Lithuanian language, 2020
  - KTU young scientist project “Cell Nuclei Detection Model Development Based on Artificial Intelligence”, mentoring position, 2019
  - Workshop of Mathematical Solutions in Business and Industry (5 days, annually), organiser and participant since 2017
  - KTU interdisciplinary project “Dosimetry Optimisation Using Data Science Methods”, 2016
- Publications and scientific conferences**
  - 16 WoS indexed scientific publications with IF (last 10 years)
  - Textbook “Essentials of Intelligence” (in Lithuanian), 2022
  - Presentations given in International Conferences organised in Estonia, Latvia, UK, Croatia, Spain, Italy, Portugal, etc.

- Scientific committee member and organiser of International Conference “Gifted children: challenges and possibilities” (2015), International workshop “61st Meeting of EURO Working Group for Commodities and Financial Modelling” (2018); Scientific committee member of International Conference “Information and Software Technologies” (since 2016), Scientific committee member of International Conference on Optimization, Learning Algorithms and Applications (2021,2022); Technology, Innovation and Stability: New Directions in Finance (2022); FinanceCom (2022).

#### PERSONAL DEVELOPMENT

- Mooc Coursera accomplishments: Getting and Cleaning Data, Machine Learning, Exploratory Data Analysis, R Programming, The Data Scientist’s Toolbox, Process Mining: Data science in Action, Social Network Analysis, Bayesian Statistics: From Concept to Data Analysis, Bayesian Statistics: Techniques and Models, Block-chain and Cryptocurrency Explained, Financial Risk Management
- Mooc DataCamp accomplishment (2018): Network Analysis in R: Case Studies Course, Network Analysis in R Course, Predictive Analytics using Networked Data in R Course, GARCH Models in R Course, Quantitative Risk Management in R Course
- Erasmus training in Portugal (2021), Germany (2011), UK (2013), Check Republic (2015), Netherlands (2017)
- Erasmus teaching in Charles university of Technology (2019), Zagreb University (2022)
- English language courses B2 (2014, 40 hours), B2 (2016, 40 hours), C1 (2017-2018, 120 hours)
- Training in KTU Big Data School (3 days, annually), since 2018

#### MEMBERSHIP

- Member of Lithuanian Mathematics Society, since 2016
- Board Member of Faculty of Mathematics and Natural Sciences (Kaunas University of Technology), since 2016
- Member of International Association “Institute of Data Science and Artificial Intelligence”, since 2020
- Researcher in the Centre of Artificial Intelligence in KTU, since 2021

#### PERSONAL SKILLS

Native language      Lithuanian

Other languages

English  
Russian

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

Organisational and managerial skills

- Problem-solving and analytical skills
- Focus on personal and team development
- The ability to meet deadlines and multitasking

IT skills

- Data analysis software R, Python, Power BI
- Mathematical software MathCad, MatLab
- Simulation tool Arena
- Microsoft Office™ software

I hereby declare that above-mentioned information is true.

