

Technical University of Cluj-Napoca
Memorandumului 12, Cluj-Napoca,
400114 RO



Levente TAMÁS

Research interests

My research interests are related to the AI&robotics domain including map registration, localization, tracking, object detection and industrial applications.

Education

- 2006–2009 **PhD**, *Technical University of Cluj-Napoca*.
supervisor Prof. dr. ing. Gheorghe LAZEA
description Sensor Fusion Based Mobile Robot Position Estimation
- 2000–2006 **BSc&MSc**, *Technical University of Cluj-Napoca, final thesis at Ghent University*.
honor Best academic results scholarship

Work experience

- 2008–present **Lecturer/Assoc. Prof./Prof.**, *Technical University of Cluj-Napoca*.
Giving robot control and pneumatic equipments courses for Control Engineering graduates
- 2020–present **Founder**, *Robotics&AI*.
Spin-off from TUCN - AI based services for robotics domain
- 2015–2017 **Postdoctoral Fellow**, *Pannon University, Veszprem*.
Change detection in multi-view camera setups
- 2013–2014 **Postdoctoral Fellow**, *BFH, Bern*.
3D Semantic Reconaissance
- 2010–2013 **Postdoctoral Fellow**, *Technical University of Cluj-Napoca*.
ArhiFax – Creating 3D maps in urban environments
- 2006–2007 **Software Engineer**, *Evoline (Siemens partner), Cluj-Napoca*.
Software design and development for Siemens TS department; SHTP team member
- 2005 **R&D Assistant**, *Solutia NV Europe, Ghent*.
Design and development of a new measurement system for thickness measurement

Invited talks&Project PI

- 2022 *AgroAI*: R&D project in the agrobotics field, 150KEUR
- 2021 *ToF based perception for mobile robots*: Industrial project with NVidia, 250KEUR
- 2020 *3D perception AI services*: Industrial project with Analog Devices, 350KEUR
- 2018 *ROS2AR*: industrial project with NGI within H2020-ROSIN, 70KEUR
- 2017 *3D perception made easy*: Wokshop on 3D Image Processing, Veszprem, Hungary
- 2016 *Active 3D perception*: industrial project with Accentrure company, 100 KEUR
- 2015 *3D pointcloud processing*: COSCH Training School, Szeged, Hungary
- 2015 *Relative pose estimation and fusion of 2D spectral and 3D lidar images*: Computational Color Imaging Workshop, Saint Etienne, France
- 2014 *Are we there yet? Towards autonomous driving challenges*: International Summer Course on Multivariable Control: Automotive applications, Ghent, Belgium

Academic activities and services

- 2020 Habilitation thesis defense
- 2018 HAS Bolyai scholarship award
- 2017 KEPAF Conference main organizer
- 2014 IEEE AQTR Conference WS organizer
- 2012 ROS fall school on cognitive systems, Munchen, participant
- 2011 Patenting OSIM patent no. A10006/16.02.2011
- 2010 3rd Intel ISIF student advisor award, 2010, USA
- 2009 Filtering and Data Analyses Summer School, Milan, participant
- 2008 SLAM Summer School, Sydney, participant
- 2007 National PhD research project director
- 2006 IEEE AQTR Conference organizer team member
- 2005 Erasmus exchange student at Ghent University, Belgium

Skills

- Languages Fluent spoken/written English, Hungarian and Romanian; fair German.
- Programming C, C++, Matlab, Linux shell scripting, L^AT_EX 2_ε, Java, DeltaV.

Interests

Traveling, dancing, swimming.

References

Available upon request