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Levente TAMÁS

Research interests

My research interests are related to the robotics domain including map registration, localization, tracking, object detection and optimistic path planning.

Education

2006–2009 **PhD**, *Technical University of Cluj-Napoca*.
supervisor Prof. 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**, *Technical University of Cluj-Napoca*.
Giving robot control and pneumatic equipments courses for Control Engineering graduates

2013–2014 **Postdoctoral Fellow**, *BFH, Bern*.
3D Semantic Reconnaissance

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

Selected publications

- [1] Levente Bagoly and Levente Tamas. *Lesson learned from a Cobot integration into MES*. ICRA workshop on Recent Advances in Dynamics for Industrial Applications, 2017.
- [2] Lucian Busoni and Levente Tamas, editors. *Handling Uncertainty and Structure in Robot*

Control. Springer-Verlag, 2016.

- [3] Elod Pall, Levente Tamas, and Lucian Busoniu. Analysis and a home assistance application of online aems2 planning. In *International Conf. on Intelligent Robots & Systems*, 2015.
- [4] Levente Tamas and Lucian Goron. 3d semantic interpretation for robot perception inside office environments. *Engineering Applications of Artificial Intelligence*, 32:76–87, 2014.
- [5] Levente Tamas and Zoltan Kato. Targetless calibration of a lidar-perspective camera pair. In *International Conference on Computer Vision (ICCV), BigData3D Workshop*, 2013.
- [6] Levente Tamas and Andras Majdik. Heterogeneous feature based correspondence estimation. International Conference on Multisensor Fusion and Information Integration (MFI), 2012.

Invited talks

- 2017 *3D perception made easy*: Wokshop on 3D Image Processing, Veszprem, Hungary
- 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

- 2017 KEPAF Conference main organizer
- 2010-2014 IEEE AQTR Conference organizer/reviewer.
- 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, $\text{\LaTeX} 2_{\epsilon}$, Java, DeltaV.

Interests

Traveling, dancing, swimming.

References

Available upon request