Wednesday, 10.5.2017
Poster/Industrial Opening Session (Chair: Andreas Mallner [ARW Ltd])
Speaker
Room
10:00 Welcome (Coffee)
开荒者・Industrial Opening Session (Chair: Andreas Mallner [ARW Ltd])
Speaker
Room
11:45 A1 Michael Pleger and Johannes Gentsmayer A Framework for cellular robots with tendon-driven structure
14:05 A2 Jose Pimentel, Michael Maurer, Daniel Mutschler, Deveau Adhika, Horst Hochreiter and Frank P. Hesse Flight Delivery Experiments with a Camera-Driven Falcon
14:25 A3 Stefan Logo, Ulfus Mühlbacher, Gerald Steinbauer, Stephan Grund and Michael Spej
A Model-Based Fault Detection, Diagnosis and Repair for Autonomous Robotics Systems
14:45 A4 Stefan Gehringer, Christoph Stöger and Florian Hatterer Visual localization System for Agricultural Vehicles in GPS - Obstructed Environments
15:05 Coffee
Session Chair: Gerald Steinbauer (TU Graz)
Speaker
Room
15:25 B1 Gerald Thal and Markus Fröhlich Development of a fully automated lining system for optical pipes
15:35 B2 Martin Hrusín, Claudia Cepnik, Josef Wieshofer, Victor ˇZepušić Jimenez, Stefan Maier, Matthias Vöhl, Michael Zarder, Robert A. Jobst, Erhard Probsthofer, Bernhard Dieker and Horst Völling Design of an Autonomous Traffic Robot for the Institute Student Environments (ISE)
15:45 B3 Alexander Pagano, Clemens Mühlbacher, Gerald Steinbauer, Stephan Grund and Michael Spej
Task-Dependent Configuration of Robotics Systems
15:55 B4 Stefan Stein, Leopold Hudec, Michael Zarder, Stefan Grund and Michael Spej
An Autonomous Transportation Robot for Urban Environments
16:05 B5 Markus Reisa, Gerhard Ebenhofer, Jürgen Mülker, Andreas Ficher, Andreas Roiber, Axel Wessel and Gerald Fritz
Data Centered Assistive Robotics for Production - Human Robot Interaction Concepts in the Anas/Mt project
16:15 B6 Bernhard Artes, Markus Piber, Roland Hudec and Alexander Hofmann Design of an Autonomous Race Car for the Institute Student Environments (ISE)
16:35 B7 Florian Fuchslacher, Martin Rambauer, Wilfried Kühberger and Bernhard Pechek Concept and implementation of a 3D-opened robot for ROS 2015
16:50 B8 Bernhard Artes, Clemens Mühlbacher, Gerald Steinbauer, Stefan Grund and Michael Spej
Visual Servoing Approaches of a 6 Degree-of-Freedom Industrial Robot by ROS-5 Sensing
17:00 Press conference
17:30 Members meeting of the UAM Austria Chapter
Thursday, 11.5.2017
Opening Colloquium / Session Chair: Peter M. Roth (TU Graz)
Speaker
Room
13:00 Daniela Grenerts (TU München) Design & Direct Methods for 3D Reconstruction & Visual SLAM
13:20 Coffee
Session Chair: Mathias Brandstätter (ARW Ltd)
Speaker
Room
10:30 C1 Georg Hahneschlag-Fueck, Markus Such, Martin Kampel and Markus Völt Electric Gone! What’s Next? An Evaluation of Eight Different Depth Sensors for Robotic Systems
10:50 C2 Justinus Mindnich, Matthias Rotten, Bernhard Waid, Marie Hiro and Helmut Gnuzer 3D Vision Guided Robotic Charging Station for Electric and Plug-in Hybrid Vehicles
11:30 C4 Markus Reisa, Michael Zarder, Stefan Grund and Michael Spej
Visual Pre-Percussion in Human-Robot Interaction
11:50 C5 Shun Fuchslacher, Felix Buerkle, Hanno Prischel, Michael Zarder and Michael Hofbauer
Vicarious Pre-Percussion in Human-Robot Interaction
12:10 Coffee
Closing Colloquium / Session Chair: Peter M. Roth (TU Graz)
Speaker
Room
13:00 Daniela Grenerts (TU München) Dense & Direct Methods for 3D Reconstruction & Visual SLAM
13:20 Coffee
Session Chair: Martin Wein (FHST)
Speaker
Room
14:00 D1 Michael Wagner, Michael Zink and Markus Völt Estimation of Similar Shape Objects using Conventional Neural Network trained by Synthetic Data
14:20 D2 Jan Knobloch and Marco Liao Converting Similarity between Visual Trademarks: A Cleanse Based on USTTAB Examinations
14:40 D3 Maximilian Schima, Felix Mitter and Simon Köger A Vision-based Loop and Accurate Framing Frame for Stereo Post Post Estimation
14:50 Coffee / Poster Chair: Robert Sablioni (UV Graz)
15.00 E1 Simon Künzler, Ruben Lacke, Reinhard Windhörer and Julian Mütten Kelter contour models for individual kerato-glement strabismus
15:05 E2 Peter Hamlík Reading of an Analog Liquid Level Gauge on a GIS Platform with a Mobile Robot using 2-D images
15:10 E3 Gerald Stuefl, Thomas Pfeiffer, Harold Bauer and Andreas Ficher Novel Human Machine Interaction with Sticky Notes for Industrial Production
15:50 E6 Daniela Grenerts, Peter Moor, Matthias Brunner and Bernhard A. Müller Environment-Matched Approach for Stabilization-camera Calibration for Embedded Laser-Camera Application
16:10 E7 Matthias Litsch (KIT) Käfige Anzeiger
16:30 Coffee
16:50 F1 Gerald Stuefl, Christoph Hirt, Harold Bauer and Andreas Ficher 2D Quality Assurance of 3D Lasers Reconstructions
17:00 F2 Marcel Kaltenbacher, Roland Hudec, Karsten Gysler and Martin Schwerp Laser-based 3D metrology derived from aerial Images
17:30 Opening Geared Assemblies
17:50 J1 Conferences dinner
Heuriger Maly, Sandweg 8, 1100 Wien
Friday, 12.5.2017
Session Chair: Gerald Schäfer (Research Workshop)
Speaker
Room
09:00 G1 Maximilian Schima Conroaden Alignment with Greeness Argument: Towards a Fair Quality Measurement for Blind Decalibration
09:20 G2 Thomas Naht, Christopher Popper, Gerald Neffe and Martin Schwerp An Image Analysis System for selected recovery of non-ferrous metal
09:40 G3 Thomas Pfeiffer, Daniel Szeulka, René Huber-Möltenkötter and Robert Sablioni Using a Cloud Based Neural Network for minutiae extraction trained from refined, synthesized fingerprints
10:00 G4 Dennis Hümmer, Seated Talk, and Thomas Fuchs Phase-to-amplitude Conversion in Multi-Scan Framework under Complex Illumination via Attenuation and Learning
10:30 Coffee
Session Chair: Andreas Mallner (ARW Ltd)
Speaker
Room
11:00 H1 Anti Armagan, Martin Hirt, Peter M. Roth and Vincent Lealat 3D Localization in Urban Environments from Single Images
11:20 H2 Munich Müller, Marcel Heseler, Martin Hirt and Marco Lealat High-grade Indication Imaging for Noise-corrected Signatures
11:40 H3 Marcel Hirt, Oleksiy Kopylov, Julian Pfeiffer and Rico Benjamin-Haller New Proposals for Highly Accurate Semantic Camera Calibration
12:00 H4 Marcel Hirt, Dmytro Pliska and Markus Völt Six Degrees of Freedom Segmentation done again: An analysis of the Britval Tangential Filter
12:30 Markus Völt (TU Graz) Closing ceremony