



LowCost3D 2012

Sensors, Algorithms, Applications

| Wednesday 5th December 2012 | | |
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| Time | Programme | Speaker |
| 08:30 | Registration Desk | |
| Session 1 - Chairman Frank Neitzel | | |
| 09:00 | Introductory session | R. Reulke, F. Neitzel |
| 09:15 | Loading Space Monitoring for Optimization of Pick-up and distribution Traffic Using RGB-D Sensors | H. Borstell, L.Cao, F. Adler, O.Poenicke, K.Richter |
| 09:45 | Optimizing the traditional workflow of processing UAV images with the aid of low-cost 3d-reconstruction techniques | H. Herda, M. Breuer |
| 10:15 | Alternative ways for appropriate data analysis in industrial metrology | C. Eschelbach, M. Lösler |
| 10:45 | Coffee Break | |
| Session 2 - Chairman Frank Neitzel | | |
| 11:15 | Co-registration of Low-Cost Range Camera Point Clouds by Matching Point and Line Features in the Corresponding RGB Photos | A. Khosravani, D. Fritsch |
| 11:45 | Incremental 3d modeling and object segmentation for classification in cluttered settings | L. Goron, Z. Marton, F. Balint-Benczedi, M. Beetz |
| 12:15 | Lunch Break | |
| Session 3 - Chairman Ralf Reulke | | |
| 13:15 | Short Survey of Texturing Methods for Meshes and Large Sets of Registered Images | W. Hannemann, T. Brock |
| 13:45 | Investigations in Low-Cost Systems for 3D Reconstruction of Small Objects | D. Omelanowsky, T. Kersten, M. Lindstaedt |
| 14:15 | Coffee Break | |
| Session 4 - Chairman Ralf Reulke | | |
| 14:45 | IMAGO: A Multi-View Stereo Solution for High Resolution Point Clouds | M. Rothermel, K. Wenzel, D. Fritsch, N. Haala |
| 15:15 | Web Visualisation of Cultural Heritage Monuments by Low-Cost 3D Solutions | O. Tim, T. Kersten, M. Lindstaedt |
| 15:45 | Coffee Break | |
| Session 5 - Chairman Ralf Reulke | | |
| 16:00 | Results and evaluation of the LC3D challenge | Reulke, Neitzel, Misgaiski, Wujanz |
| 18:45 | Verabschiedung / Diskussion | |

Location:

Deutsches Zentrum für Luft- und Raumfahrt (DLR)

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