



# Workshop : Robust and long term operation of robotics for Logistics and Transport

European Robotics Forum 2017, Edimburgh, UK

Organisers:

Jesús Alfonso de la Riva , Instituto Tecnológico de Aragón (Spain)

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Sören Kerner; IML Fraunhofer (Germany)

Libor Preucil; Czech Technical University in Prague; (Czech Republic)

Marc Hanheide; University of Lincoln( UK)

## Agenda

8.30- 8.35 **Introduction** Jesus Alfonso(ITA)

8.35- 9.30 Invited contributions

Martin Magnusson / Achim Lilienthal: (Univ. Örebro) **“LIAD Safe and Scalable Fleets for Intralogistics in Shared Spaces”**

Tim Ensor (Tharsus) **“Delivering promises – One size does not fit all”**

Nick Hawes (Univ. Birmingham) **“Long-Term Autonomy for Logistics in Dynamic Environments”**

Gregor Lebernegg (KNAPP AG ) **“Automated guided vehicles as the key to modern warehouses”**

Miroslav Kulich (Czech Tech. Univ. in Prague) **“Planning for complex logistic systems” – feasibility of RT algorithms for large-sized and real-world problems”**

Philip Nicolai (Swisslog) **“Introducing collaborative robots to automate highly monotonous tasks in intralogistics”**

Jesus Gonzalez (Eurecat) **“LOGIMATIC: Port vehicle automation through tight integration of GNSS and on-board“**

Markus Böhning (Sick) **“Robust localisation of AGCs in dynamic logistics environments”**

9.30- 10.0 **Round Table:** (Moderator Achim Lilienthal) **Robust and long term operation for logistics and transport**