

Department of Artificial Intelligence and Systems Engineering, Riga Technical University

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Partner looking for project

Institution / Department:

Department of Artificial Intelligence and Systems Engineering, Riga Technical University

Country:

Latvia

Name:

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Position title:

Assistant professor, Dr.Sc.Ing

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Research areas of your institution:

The main research areas of the Department of Artificial Intelligence and Systems Engineering (former Department of System Theory and Design) are the following:

- Intelligent agents and multi-agent systems, including interaction mechanisms, different practical agent and multi-agent system applications and agent oriented software engineering
- Robotics -mainly the software part, but some works also in robot platforms
- Multi robot systems, including robot management systems and communication mechanisms among robots. Video explaining multi-robot system for vacuum cleaning is available [here](#) ^[2].
- Ontologies, including ontology development, transformations to/from other knowledge representation forms, ontology usage in semantics based communication protocols

Further description of our research is available [here](#) ^[3].

Comment:

Looking for projects to contribute either of our competences in multi-agent, robotics or ontologies research.

Topic:

Explainable Machine Learning-based Artificial Intelligence

◦ [Administration](#)

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Links:

[1] <mailto:egons.lavendelis@rtu.lv>

[2] <http://youtu.be/0Fv2rHBghE>

[3] http://stpk.cs.rtu.lv/sites/all/files/stpk/dstd_research_directions.pdf