

# Aerial Robotics for Inspection and Maintenance (ARIM)

## Organizers

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Aerial Robotics Topic Group

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## Supported by

AEROARMS H2020 project

<http://www.aeroarms-project.eu/>

AEROWORKS H2020 project

<http://www.aeroworks2020.eu/>

# Agenda

- 14:00 – 14:05 **Introduction**
- 14:05 – 14:45 **Innovative Technologies**

AEROARMS project. Aerial robotic manipulation and inspection by contact:

**A. Ollero** (U Sevilla),

**A. Sanfeliu** (UPC)

AEROWORKS project. Cooperative inspection:

**G. Nikolakopoulos** (U. Lulea),

**M. Fumagalli** (U. Aalborg)

Platforms:

**D. Floreano** (EPFL) Adaptive drone morphologies

**K. Alexis** (UNR), Hybrid platforms

**J. Ruiz** (Elektra) and **Y. Rodriguez** (DLR), Hardware & software for new platforms

**R. Lozano** (U. Compiegne), Control for new platforms

Discussion

## Agenda (continuation)

- **14:45 – 15:20**    ***Applications to Industry plants, infrastructures and energy systems***

**E. Zwicker** (Alstom Inspection Robotics), Inspection of oil and gas plants

**J. Lindström** (ProcessIT Innovations), Process industry infrastructure inspection

**P. Chrobocinski** (AIRBUS), AEROBI project, Bridge inspection

**B. Beach** (Univ. Southern Denmark), Railway inspection.

**T. Mannelqvist** (Skellefteå Kraf, Sweden), Inspection of wind turbines

**S. Bogdan** (U.Zagreb, Croatia), Wind generation remote inspection

**P. Morin** (ISIR, UPMC, France), Electric towers inspection

**A. Martins** (INESC, Portugal), Electrical power assets inspection

- **15:20 – 15:30**    **General Conclusions and inputs for the SPARC Roadmap**