



## The 2nd International Symposium on Formation Control and Multi-Agent Systems

Date: June 9-10, 2018  
Venue: University of Sheffield, UK



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The 2nd International Symposium on Formation Control and Multi-Agent Systems will be held at the University of Sheffield, UK on June 8-9, 2018. This symposium aims to create a forum for scientists and engineers throughout the world to present their latest research findings and encourage discussions on formation control and multi-agent systems.

Topic of the Year:

### 20 Years of Multi-Agent Formation Control — The Future of Formation Control

Formation control of multi-agent systems has received tremendous research attention in the past 20 years due to their potential across many application domains. The goal of formation control is to control each agent using information obtained from neighboring agents such that the entire team of agents forms a desired spatial geometric pattern. While the notion of a formation as a geometric pattern has a natural meaning for robotic systems, it may also correspond to more abstract configurations for the system state of a team of agents. Despite the theoretical advances in formation control over the past 20 years, there remain many open challenges driven by real-world constraints including complex agent dynamics, sensing and communication abilities, and available interaction topologies. This symposium will provide a forum for top international researchers in the area of formation control to review both past and the future studies on multi-agent coordination problems.

Every delegate may give a talk on any topic in the broad area of formation control or coordination of multi-robot systems. The time duration of each talk may vary depending on the nature and number of talks. The final program will be announced one month before the symposium. Paper submissions are not required.

**Registration website:** <http://formationcontrol.group.shef.ac.uk>

**Registration fees:** £200 per delegates (meals and refreshments included)

**Registration deadline:** April 9, 2018

**Symposium date:** June 9-10, 2018

**Venue:** Workroom 2, The Diamond, University of Sheffield, Sheffield, S3 7RD, UK

**Sponsor:** Department of Automatic Control and Systems Engineering, University of Sheffield, UK

