

Workshop on Verification and Regulatory Issues for Remote Robotic Inspection

Organisers: Michael Fisher; Youcef Gheraibia; Matt Luckcuck; Matt Webster

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Workshop Background

Sending a robotic device to carry out inspection is obvious and appealing.....

- We have the robotic/software technology to do it.
- We have the need for this across many sectors.
- Obviously, it increases human safety.

Question: *Is it straightforward?*

- If not, why not?
- After all, we are inspecting, not manipulating
- ... and our robotic device is probably not interacting with humans.

Barriers: *So what aspects are stopping us?*

- Technology?
- Verification?
- Regulation?

Workshop Aim

To bring together experts on remote inspection from technological, verification, and regulatory backgrounds to provide their views

Output: at least better understanding for all of us

Output: short report highlighting issues/solutions

Workshop Organisation (1)

Three key activities have come together to organise this workshop:



Assuring Autonomy
International Programme
(Led by York)

www.york.ac.uk/assuring-autonomy



ORCA RAI Hub
(Led by Heriot-Watt)

orcahub.org



RAIN RAI Hub
(Led by Manchester)

rainhub.org.uk

Workshop Organisation (2)

Michael Fisher – **University of Manchester**, ORCA Hub and RAIN Hub

Youcef Gheraibia – **University of York** and Assuring Autonomy Programme

Matt Luckcuck – **University of Manchester** and RAIN Hub

Matt Webster – **Liverpool John Moores University** and ORCA Hub

Programme

09:10–11:10: **Session 1: APPLICATIONS**

Session Chair: Matt Webster

11:10–11:30: Break

11:30–13:30: **Session 2: REGULATION & VERIFICATION**

Session chair: Youcef Gheraibia

13:30–14:00: Break

14:00–16:00: **Session 3: FUTURE & CHALLENGES**

Session chair: Matt Luckcuck

N.B: please keep muted during presentations

N.B: please ask questions via the chat

N.B: all sessions will be recorded

N.B: presentations will be available on web afterwards

Closing

Thank you

To all speakers

To all participants

To AAIP, ORCA and RAIN

To all organisers

We will send a link to presentations/recordings/report later

In case we run a follow-up event, please send us your comments/suggestions