

Intelligent Robotics: Current Developments and Future Trends

The 6th Annual IEEE UK and Ireland RAS Chapter Conference



HOST: University of Salford

General Chairs:

Prof John Gray (JG), RAS Chapter Chair, University of Manchester

Programme Chair:

Prof Hongmei He (HH), University of Salford, h.he5@salford.ac.uk

Programme Co-Chairs:

Dr Chris Hughes (CH), University of Salford

Dr Theo Theodoridis (TT), University of Salford

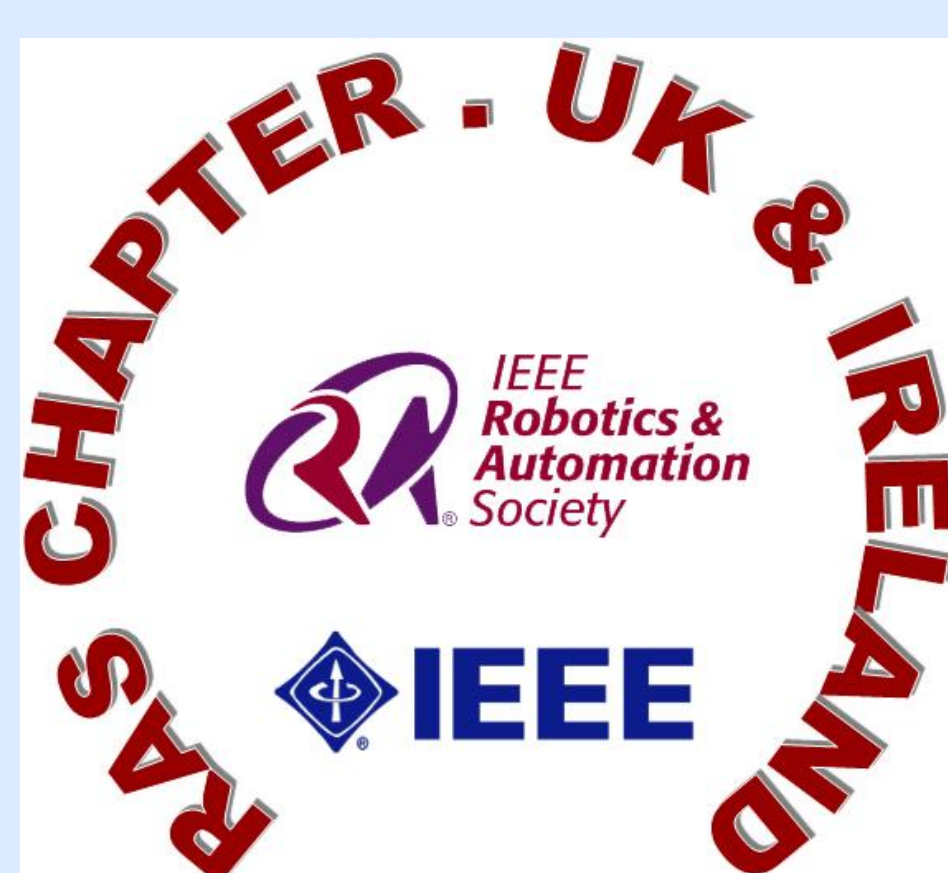
Poster Session Chair:

Dr Guowu Wei (GW), University of Salford

Date: 28 Feb. 2023 (Tuesday)

Address: Room SB2.11, SB2.12 SEE Building, Crescent, Salford M5
4NT

Register Link: [IEEE UK & Ireland RAS Conference 2023.](#)



The 6th Annual IEEE UK and Ireland RAS Chapter Conference

Agenda (Morning):

8:30am – 9:00am Registration (with refreshment)

9:00am – 9:10am Conference starting by host, Dr Denise Rennie, Deputy Dean of SEE School

9:10am – 9:30am Welcome from

Prof Izzet Kale (IK) – Chair of IEEE UK & Ireland Session

Prof John Gray (JG) – Chair of IEEE UK & Ireland RAS Chapter

9:30am – 10:15am Keynote Speech: Prof Darwin Caldwell, IIT in Italy (Confirmed)

Topic: How Can Robotics and Wearable Technology Improve Healthcare?

10:15am - 11:00am Morning coffee break

Session 1: RAS for Extreme and Hazard Environments (Room1)

Chair: Simon Watson

11:00am - 11:15 Prof Kaspar Althoefer (Queen Mary University of London)

11:15am - 11:30 Dr Simon Watson (University of Manchester)

11:30am - 11:45 Dr Maurice Fallon (University of Oxford),

Topic: Learning to navigation in complex natural environments

11:45am - 12:00 Michael James - EPSRC UKRI, Robotics Portfolio Manager

Session 2: RAS for Social and Health Care (Room2)

Chair: Prof Sanja Dogramadzi, University of Sheffield

11:00am - 11:15 Prof. Alessandro Di Nuovo, Department of Computing, Sheffield Hallam University,

11:15am - 11:30 Dr Dave Cameron, Information School, University of Sheffield

11:30am - 11:45 Prof. Praminda Caleb-Solly, School of Computer Science, University of Nottingham

Topic: Trialling Telepresence Robots in Extra Care and Cultural Settings in the UK – Social, Logistic and Technical Challenges and Opportunities

11:45am - 12:00 Prof. Sanja Dogramadzi, Department of Automatic Control and Systems

Engineering, University of Sheffield

Topic: Modelling from real dressing data for uncertainty estimation in variable environmental conditions

Agenda (Afternoon)

12:00 - 12:30 group photo (participants, all chairs and committee)

12 : 30 – 14:00 Lunch, Poster Session, Robotics Lab Touring

14:00 - 14:45 Keynote speech 2: Prof Carsten Maple, University of Warwick (Confirmed)

14:45- 15:30 afternoon coffee break

Session 3: RAS for Digital Manufacturing (Room 1)

Chair: Professor Niels Lohse, Loughborough University

15:30 - 15:45 Professor Niels Lohse

15:45 - 16:00 Mike Wilson, MTC, Chief Automation Officer

16:00 - 16:15 Rich Walker, CEO of Shadow Robotics

16:15 - 16:30 Prof Jonathan Loo, University of West London

Session 4: Resilient Robots and Autonomous Systems (Room 2)

Chair: Prof Carsten Maple, University of Warwick

15:30 - 15:45 Dr Theo Theodoridis, Salford University

15:45 - 16:00 Prof Ali Hessami, Innovation Director, VEGA Systems (to be confirmed)

16:00 - 16:15 Jonathan Lodge, City Farm Ltd.

16:15 - 16:30 Prof Hongmei He, Salford University

16:30 - 17:00 Announcement of poster competition





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