



2017 international workshop on

Autonomous Remanufacturing

Location and Agenda

04 July 2017

G26, G28, G29, Civil and Mechanical Engineering Building,
University of Birmingham, UK

University Map

- Travelling by rail - Most cross-country services to Birmingham arrive at New Street Station. Up to six trains an hour depart for the University on the cross-city line (ten minutes to University station, final destination Longbridge or Redditch). The centre of the main campus is a five-minute walk from University Station.
- Travelling by car - Visitors to campus are requested to park in our pay and display car parks.



Agenda



- 09.00 - 09.25 Registration (G26,G28)
- 09.25 - 09.30 Welcome and Introduction (G29)
Prof D. T. Pham, Chance Professor of Engineering, University of Birmingham
- 09.30 - 10.00 Keynote presentation - Symbiotic Human-Robot Collaborative Disassembly in Remanufacturing (G29)
Dr Wenjun Xu, Associate Professor at the School of Information Engineering, Wuhan University of Technology, China
- 10.00 - 10.20 Maintenance strategy development within the food and drink industry: A case study approach (G29)
Dr David Baglee, Reader, Faculty of Engineering and Advanced Manufacturing, University of Sunderland, UK
- 10.20 - 10.40 Remanufacturing at Caterpillar (G29)
Mr Chris Smith, Caterpillar Shrewsbury Ltd.
- 10.40 - 11.10 Coffee & Break (G26,G28)
- 11.10 - 11.40 Keynote Presentation - Economic modelling of robotic disassembly processes for remanufacturing (G29)
Dr F. Javier Ramírez, School of Industrial Engineering, Department of Business Administration, University of Castilla-La Mancha, Albacete, Spain
- 11.40 - 12.00 Robot Versatility and Autonomy as a Key enabler for the High Mix-Low Volume context in Remanufacturing? (G29)
Dr. Damien SALLÉ, Division Industry and Transports , Head of the Robotics Group for Advanced Manufacturing, TECNALIA, Spain

Agenda



- 12.00 - 12.20 New solutions for the optimal recovery of Hydrogen fuel cells in Electric Vehicles (G29)
Dr David Stewart, High Speed Sustainable Manufacturing Institute(HSSMI), UK
- 12.20 - 13.30 Lunch & networking (G26,G28)
- 13.30 - 14.00 Keynote Presentation - Futuring European Industry (G29)
Dr Konstantinos Georgoulas, Laboratory for Manufacturing Systems & Automation, Department of Mechanical Engineering and Aeronautics, University of Patras, Greece
- 14.00 - 14.20 Developing and applying Automated Remanufacturing technology (G29)
Prof David Wimpenny, Chief Technologist, Manufacturing Technology Centre,UK
- 14.20 - 14.40 Remanufacturing at BMW (G29)
Dr Dieter Geus and Mr Benjamin Haselbacher, BMW
- 14.40 - 15.10 Coffee & Break (G26,G28)
- 15.10 - 15.30 Disassembly and processing of waste electrical and electronic equipment (G29)
Prof Weidong Li, Institute of Manufacturing and Materials Engineering, Coventry University, UK
- 15.30 - 15.50 To be determined (G29)
Mr Andy Hind, The Institute for Advanced Manufacturing and Engineering, Unipart group & Coventry University
- 15.50 - 16.00 Event closing