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the European Union**



TWIN-IT-ROMANS - 101160215
Workshop on Intelligent Manufacturing
@ London
Report
Rev-A
26.05.2026

Prepared by	Dr Bugra Alkan
Controlled by	Prof Mehmet Ismet Can Dede
Approved by	Prof Mehmet Ismet Can Dede

Summary of the Workshop on Intelligent Manufacturing Report

This report contains information on the activities carried out during the Workshop on Intelligent Manufacturing (WoIM), organised by London South Bank University (LSBU) as part of the TWIN-IT-ROMANS Horizon Europe project. The workshop took place between 13 and 15 May 2026 at the Passmore Centre, London South Bank University, London, United Kingdom.

The event brought together project partners, academic researchers, industry specialists, early-stage researchers and LSBU colleagues to advance technical exchange across robotic hybrid manufacturing, AI-enabled digital twins, interoperable production systems, in-process quality control, intelligent robotics, and human-centric manufacturing. The programme combined keynote and invited talks, industry presentations, AI vision demonstrations, work package reporting, ESR progress presentations, laboratory tours, intellectual property and funding discussions, and structured roundtables for future collaboration.

The workshop was chaired and hosted by Dr Bugra Alkan from LSBU. It included keynote contributions from Prof Saurav Goel, LSBU, on precision manufacturing and engineered surfaces, and Prof Duc Pham, University of Birmingham, on robotic disassembly as an enabler of sustainable and intelligent remanufacturing. Invited academic and industry sessions involved speakers from the University of Exeter, Brunel University London, UK Atomic Energy Authority, Kyndrel, Keyence UK, ATS Automation Tooling Systems, AMFG, and project partner institutions.

The event also served as a formal consortium meeting for reviewing technical progress across the project work packages, including prototype development, cell optimisation, inline quality control, materials and hybrid manufacturing, dissemination, gender equality and inclusivity, and early-stage researcher progress. The final day focused on intellectual property, funding, impact, Aachen Summer School planning, and future joint funding opportunities.

In total, 42 participants were recorded in the supplied attendance list, representing LSBU, IZTECH, RWTH Aachen University, University of Bath, Politecnico di Torino, HKTM, Brunel University London, University of Exeter, ATS Corporation, UK Atomic Energy Authority, Keyence UK, Kyndryl, Ocado Technology, AMFG, and MCI Innsbruck.

Participation Overview

The on-site attendance was as follows:

Institution / Organisation	Number of participants
London South Bank University	16
Izmir Institute of Technology	10
ATS Corporation	2
RWTH Aachen University	2
University of Bath	2
University of Exeter	2
AMFG	1
Brunel University of London	1
HKTM	1
Keyence UK	1
Kyndryl	1
Ocado Technology	1
Politecnico di Torino	1

UK Atomic Energy Authority	1
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Workshop Objectives and Scope

The WoIM was designed to support both technical and strategic objectives of the project. Specifically, the workshop aimed

- to disseminate progress from TWIN-IT-ROMANS and situate the project within current developments in intelligent manufacturing and robotic hybrid manufacturing;
- to create a structured forum for engagement between the project consortium, external academic experts, industry representatives and LSBU researchers;
- to review technical work package progress and align the next-stage activities on prototype development, cell optimisation, inline quality control, and materials and hybrid manufacturing;
- to discuss digital twins, OPC UA-based industrial communication, AI-enabled production systems, in-process sensing, quality assurance, advanced robotics, and human-centric manufacturing cells;
- to support ESR and early-career researcher development through technical presentations, poster flash sessions, laboratory tours, and direct engagement with senior academics and industrial specialists;
- to review dissemination, gender equality and inclusivity, intellectual property, impact, funding pathways and opportunities for future collaboration.

Core Technical Themes

- Robotic hybrid manufacturing for large and complex components
- In-process sensing and closed-loop quality assurance
- Digital twins for continuous shop-floor synchronisation
- OPC UA-based industrial communication
- Artificial intelligence for adaptive, resilient and self-optimising production systems
- Reconfigurable and human-centric manufacturing cells

Workshop Schedule

Day 1 - 13 May 2026

Time	Session	Lead / Presenter
08:30-09:00	Registration and welcome coffee	All participants
09:00-09:30	Welcome addresses	Prof Issa Chaer and Prof Ian Mackie, LSBU
09:30-10:30	Strategic Vision of the TWIN-IT-ROMANS Project (13_01)	Prof Can Dede, IZTECH, and Dr Evren Samur, HKTM / Bogazici University
10:30-11:00	Coffee break	All participants
11:00-11:45	Keynote: Sustainable Frontiers in Precision Manufacturing and Engineered Surfaces	Prof Saurav Goel, LSBU
11:45-12:30	Online keynote: Research into Robotic Disassembly, A Key Enabler of Sustainable and Intelligent Remanufacturing	Prof Duc Pham, University of Birmingham
12:30-13:30	Lunch, Caxton House, LSBU	All participants
13:30-14:15	Industry talk, Kyndryl	Dr Juan José Cerrolaza Martínez
14:15-15:00	Industry talk and AI vision demonstration, Keyence UK	Oliver Ring
15:00-15:30	Coffee break	All participants

15:30-16:15	Industry talk, ATS Automation Tooling Systems	Steve Maskell
16:15-16:30	Group photo, LSBU Borough Road and Hub	All participants
16:30-18:00	Guided laboratory tours, live demonstrations, and PhD poster flash session	LSBU host team and participants
19:30-21:00	Workshop dinner	All participants

Day 2 - 14 May 2026

Time	Session	Lead / Presenter
09:00-09:45	Host academic talk: Intelligent Manufacturing at LSBU	Dr Bugra Alkan, LSBU
09:45-10:30	Invited academic talk	Dr Natalia Hartono and Dr Malarvizhi Kaniappan Chinnathai, University of Exeter
10:30-11:00	Coffee break	All participants
11:00-11:45	Invited academic talk	Dr Mingfeng Wang, Brunel University London
11:45-12:30	Invited academic talk	Dr Emre Uzunoglu, UK Atomic Energy Authority
12:30-13:30	Lunch, Caxton House, LSBU	All participants
13:30-14:00	Gender Equality and Inclusivity: Good Practices and Institutional Perspectives at LSBU	Dr Safia Barikzai, LSBU
14:00-14:15	Technical WP update: Prototype Development (14_01)	Prof Can Dede and Prof Giuseppe Quaglia
14:15-14:30	Technical WP update: Cell Optimisation (14_02)	Prof Gokhan Kiper and Prof Burkhard J. Corves
14:30-14:45	Technical WP update: Inline Quality Control (14_03)	Dr Halil Tetik and Dr Bugra Alkan
14:45-15:00	Technical WP update: Materials and Hybrid Manufacturing Component (14_04)	Dr Busra Karas and Prof Alborz Shokrani
15:00-15:30	Coffee break	All participants
15:30-15:45	Dissemination and Communication Updates (14_05)	Dr Busra Karas
15:45-16:00	Gender Equality and Inclusivity Report and Updates (14_06)	Dr Benay Uzer Yilmaz
16:00-17:00	ESR technical presentations: research progress to date and planned future work (14_07 to 14_10)	Berk Kurt, Gizem Merve Gunduz, Hasan Cezayirli, Nazife Cerci
17:00-18:00	Parallel work package discussions in breakout rooms	Project partners
19:30-21:00	Workshop dinner, Paladar	All participants

Day 3 - 15 May 2026

Time	Session	Lead / Presenter
09:00-10:30	Intellectual Property, Funding, and Impact	Neil Pearce and Rahimunnessa Syeda Lynam, LSBU
10:30-11:00	Coffee break	All participants
11:00-11:15	Aachen Summer School Plans and Expected Outcomes (15_01)	Prof Burkhard J. Corves, RWTH Aachen University
11:15-12:15	Concluding roundtable: Future Collaboration and Joint Funding (15_02)	Chair: Dr Busra Karas
12:15-12:30	Closing remarks	Coordinator: Prof Can Dede, Host Institution: Dr Bugra Alkan

Summary of Activities and Discussions

Day 1

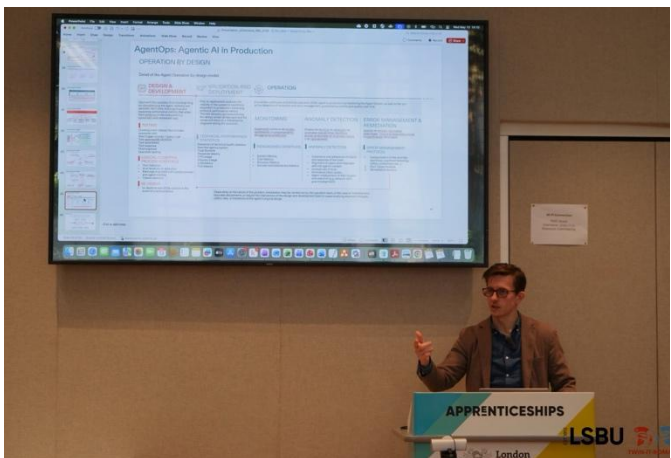
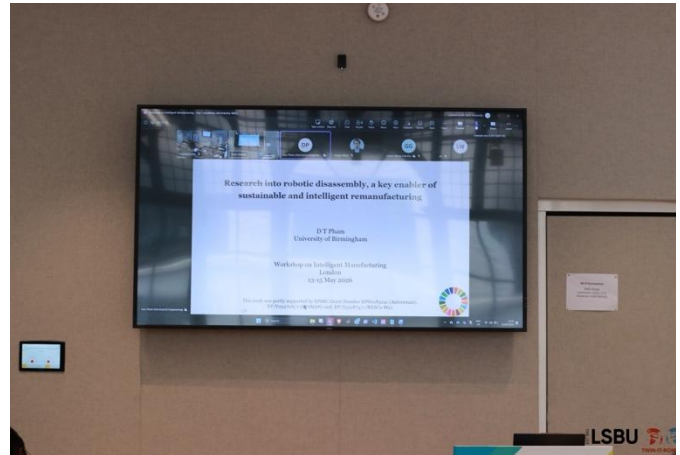
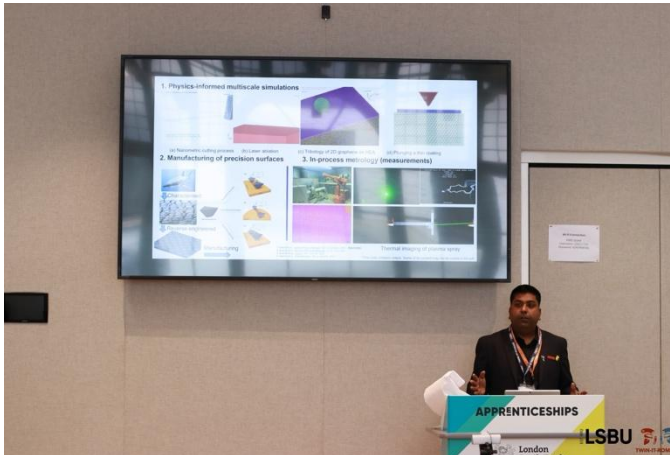
Strategic Vision, Keynotes, Industry Engagement and Laboratory Demonstrations

The first day opened with registration, welcome coffee and institutional welcome addresses from LSBU by Prof Ian Mackie and Prof Issa Chaer. The morning session provided the strategic framing of the TWIN-IT-ROMANS project, with Prof Can Dede presenting the overall project vision, pilot framework and intended technical direction.

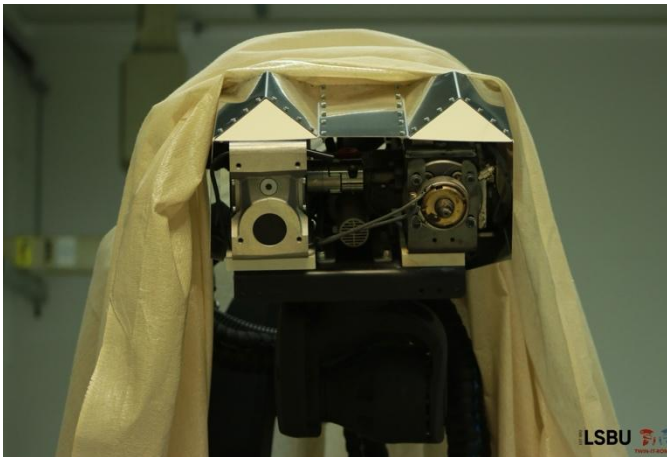
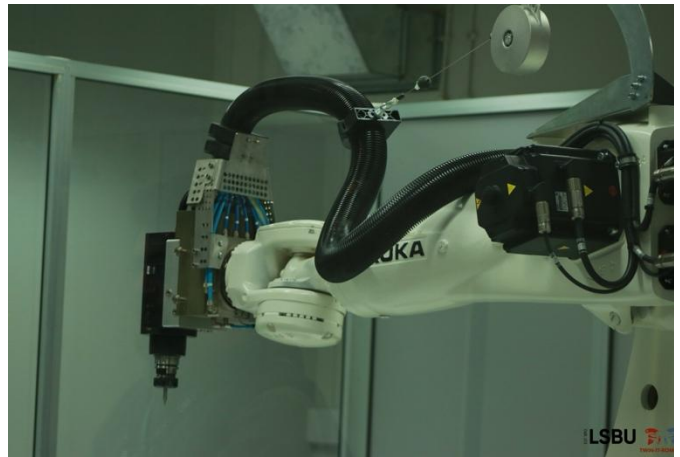
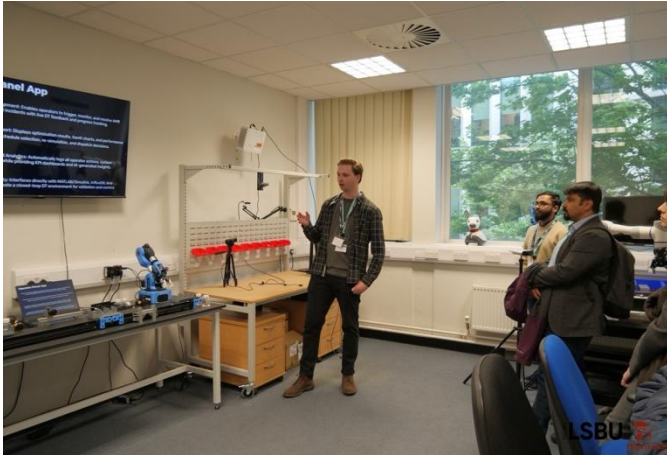


The academic keynote sessions connected the project to broader research challenges in manufacturing. Prof Saurav Goel presented sustainable frontiers in precision manufacturing and engineered surfaces, highlighting the relevance of surface manufacturing, precision processes and sustainable materials processing to the project objectives. Prof Duc Pham delivered an online keynote on robotic disassembly as a key enabler of sustainable and intelligent remanufacturing, linking automation, disassembly planning and remanufacturing to wider circular manufacturing priorities.

The afternoon focused on industry engagement. Dr Juan José Cerrolaza Martínez from Kyndryl presented perspectives from AI in production. Keyence UK delivered an industry talk and AI vision demonstration, supporting direct discussion on industrial sensing, machine vision and inspection technologies. ATS Automation Tooling Systems presented reliability engineering and system integration perspectives for automated production systems.



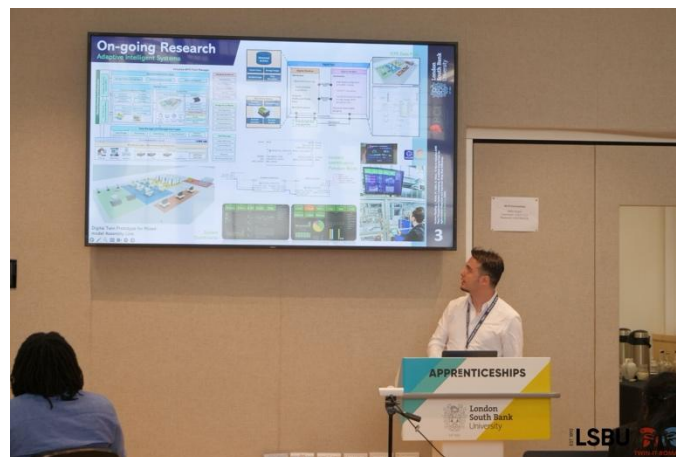
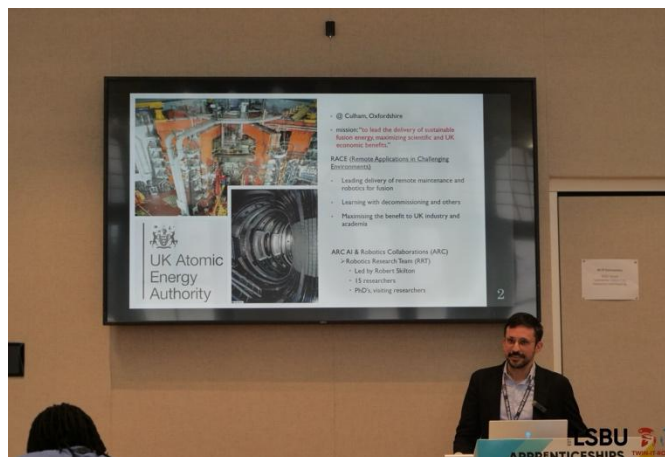
The day concluded with a group photo, guided LSBU laboratory tours, live demonstrations and a PhD poster flash session in the laboratory spaces. These activities provided external participants and consortium partners with an opportunity to view relevant LSBU facilities, discuss ongoing doctoral research and identify potential collaboration points.



Day 2, Advanced Robotics, Intelligent Systems and Project Work Package Updates

The second day was structured around advanced robotics and intelligent systems, followed by project reporting and partner discussions. Dr Bugra Alkan opened the morning technical programme with a host academic talk on Intelligent Manufacturing at LSBU, introducing LSBU's relevant research activities in digital manufacturing, industrial AI, digital twins, robotics and human-centred production systems.

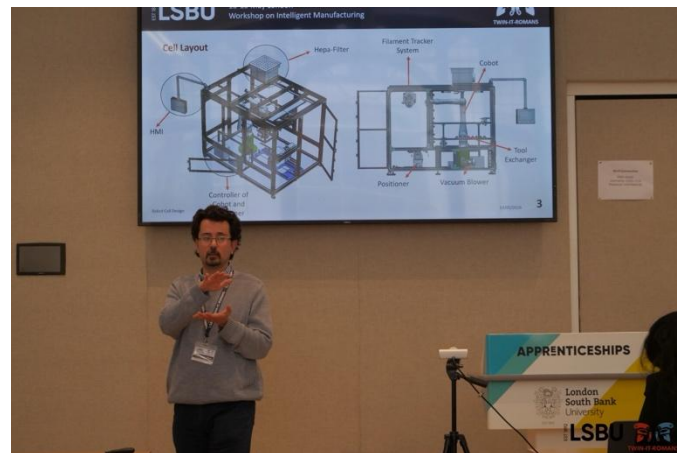
Invited academic talks by Dr Natalia Hartono and Dr Malarvizhi Kaniappan Chinnathai from the University of Exeter, Dr Mingfeng Wang from Brunel University London, and Dr Emre Uzunoglu from the UK Atomic Energy Authority broadened the technical scope of the workshop. The talks covered themes relevant to intelligent optimisation, sustainable manufacturing, robotic disassembly, digital twins, discrete-event modelling, specialised robotic systems, motion planning, teleoperation and robotics in challenging industrial environments.

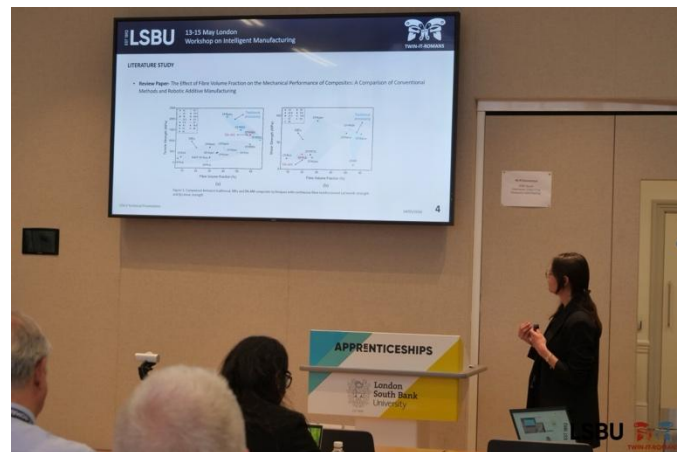
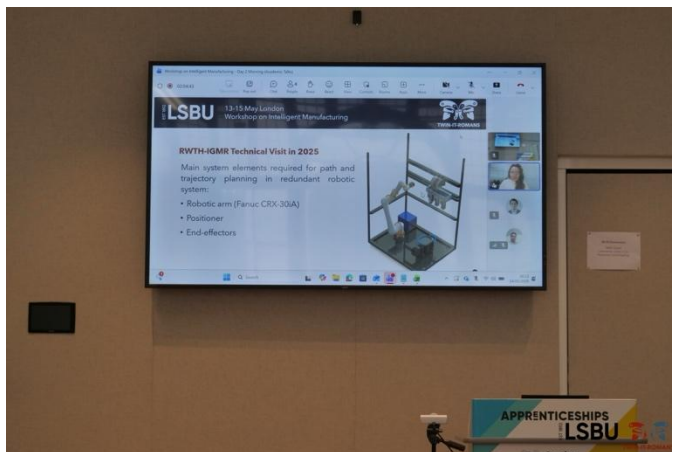
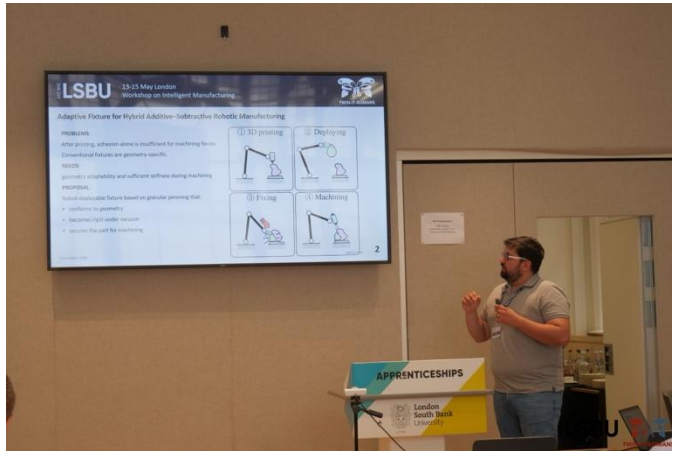


A dedicated session on Gender Equality and Inclusivity was delivered by Dr Safia Barikzai, presenting good practices and institutional perspectives from LSBU. This session supported the project's broader commitment to responsible research, inclusive participation and good institutional practice in STEM contexts.



The afternoon provided structured TWIN-IT-ROMANS project updates. Partners presented progress and issues relating to prototype development, cell optimisation, inline quality control, materials and hybrid manufacturing, dissemination and communication, and gender equality and inclusivity reporting. The ESR technical presentations then allowed Berk Kurt, Gizem Merve Gunduz, Hasan Cezayirli and Nazife Cerci to present research progress to date and planned future work. The day ended with parallel work package discussions, enabling focused technical coordination between responsible partners.



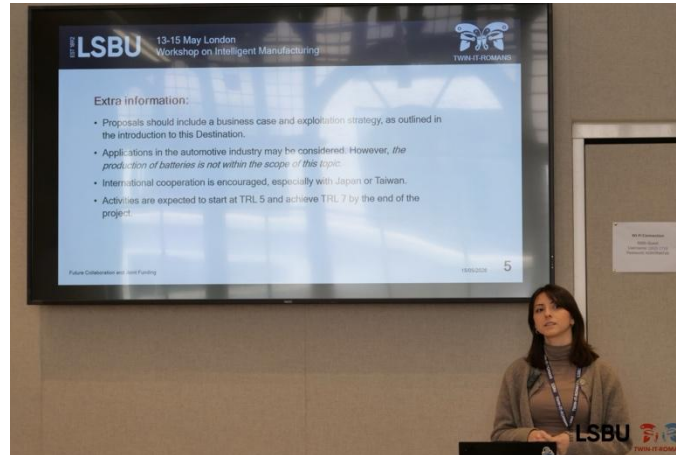


Day 3, Intellectual Property, Funding, Impact and Future Collaboration

The final day addressed intellectual property, funding and impact, with contributions from Neil Pearce and Rahimunnessa Syeda Lynam from LSBU. The session was designed to support project partners in understanding IP considerations, exploitation pathways, funding opportunities and impact planning relevant to the TWIN-IT-ROMANS outputs.



Prof Burkhard J. Corves presented plans and expected outcomes for the Aachen Summer School, helping the consortium align training expectations, content and intended benefits for ESRs and researchers. The concluding roundtable, chaired by Dr Busra Karas, focused on future collaboration and joint funding. The workshop officially closed with remarks from the project coordinator, Prof Can Dede, and the host institution, Dr Bugra Alkan.



Main Outcomes and Follow-Up Points

Outcome area	Summary
Technical alignment	The workshop created a common view of the technical status of the project across prototype development, robotic cell optimisation, inline quality control, materials and hybrid manufacturing, dissemination, inclusivity, and ESR work packages.
Industry-academia engagement	The inclusion of Ocado Technology, Kyndryl, Keyence UK, ATS Corporation, UK Atomic Energy Authority and AMFG strengthened the applied orientation of the workshop and supported discussion of industrial requirements, implementation constraints and technology transfer opportunities.
Research networking	The invited academic sessions from LSBU, University of Exeter, Brunel University London, University of Birmingham, University of Bath, RWTH Aachen University, Politecnico di Torino and IZTECH widened the technical discussion around intelligent manufacturing, robotics, digital twins and sustainable remanufacturing.
ESR development	The ESR presentations and poster flash session provided structured opportunities for early-stage researchers to present progress, receive feedback and identify next steps for their ongoing research activities.
Laboratory and demonstrator visibility	The LSBU laboratory tours and live demonstrations supported dissemination of relevant facilities and capabilities, while also helping partners and external participants connect workshop themes to practical testbeds.
IP, funding and future proposals	The Day 3 sessions supported discussions on exploitation, intellectual property, funding routes, impact and future collaborative project development.
Training pathway coordination	The Aachen Summer School discussion helped maintain continuity between the workshop and future training activities planned within the project.

Dissemination and Impact

The WoIM contributed to TWIN-IT-ROMANS dissemination by opening selected sessions to invited external academic and industry participants. The programme was structured to communicate the project's technical direction, demonstrate relevant technologies and support dialogue between consortium members and organisations working in robotics, manufacturing, automation, sensing, simulation and industrial AI.



The workshop also supported impact generation by connecting project outputs to practical industrial challenges, including robotic automation, machine vision, reliability engineering, digital manufacturing and future factory systems. The laboratory tours and demonstrations offered direct visibility of LSBU's intelligent manufacturing capabilities and created opportunities for future collaboration with academic and industrial stakeholders.

The inclusion of gender equality, inclusivity, intellectual property, funding and impact sessions ensured that the event addressed not only technical progress, but also responsible research practice, exploitation readiness and sustainability of future collaboration.

Attendance Information

The recorded on-site attendees are listed below. The list is based on the supplied attendance table for the WoIM hosted at LSBU.

No.	Title	Name	Surname	Affiliation
1	Dr	Bugra	Alkan	London South Bank University
2	Dr	Safia	Barikzai	London South Bank University
3	Prof	Saurav	Goel	London South Bank University
4		Louie	Webb	London South Bank University
5		Cajetan	Oriezie	London South Bank University
6		Faisaha	Usama	London South Bank University
7		Naimul	Hasan	London South Bank University
8		Zarin	Shabab	London South Bank University
9		Oluwafemi	Ojo	London South Bank University
10		Hamidu	Barrie	London South Bank University
11	Dr	Federico	Rossi	London South Bank University
12	Dr	Mingfeng	Wang	Brunel University of London
13	Dr	Evren	Samur	HKTM
14	Dr	Juan José	Cerrolaza Martínez	Kyndryl
15	Prof	Burkhard	Corves	RWTH Aachen University
16		Mark	Witte	RWTH Aachen University
17	Prof	Alborz	Shokrani	University of Bath
18		Dylan	Drew	University of Bath
19	Prof	Giuseppe	Quaglia	Politecnico di Torino
20	Prof	Can	Dede	Izmir Institute of Technology
21	Dr	Halil	Tetik	Izmir Institute of Technology
22	Dr	Busra	Karas Aptrei	Izmir Institute of Technology
23	Dr	Benay	Uzer Yilmaz	Izmir Institute of Technology
24	Dr	Nesli	Yagmurocukardes	Izmir Institute of Technology
25	Prof	Gokhan	Kiper	Izmir Institute of Technology
26		Hasan	Cezayirli	Izmir Institute of Technology
27		Nazife	Cerci	Izmir Institute of Technology
28		Berk	Kurt	Izmir Institute of Technology
29		Gizem	Gunduz	Izmir Institute of Technology (online)
30	Dr	Malarvizhi	Kaniappan Chinnathai	University of Exeter
31	Dr	Natalia	Hartono	University of Exeter
32	Dr	Mus'ab	Ahmad	ATS Corporation
33		Daniel	Bradfield	ATS Corporation

34	Dr	Emre	Uzunoglu	UK Atomic Energy Authority
35		Oliver	Ring	Keyence UK
36		Tafline	James-William	Ocado Technology
37	Dr	Richard	Jiang	AMFG
38	Dr	Brahim	El Boudani	London South Bank University
39		Rahimunnessa Syeda	Lynam	London South Bank University
40		Neil	Pearce	London South Bank University
41	Dr	Gaston	Primo	London South Bank University
42		Sally	Drayton	London South Bank University

Conclusions

The Workshop on Intelligent Manufacturing successfully brought together the TWIN-IT-ROMANS consortium, invited academics, industry specialists, research engineers, ESRs and LSBU colleagues for three days of technical exchange, dissemination and collaborative planning. Hosted by LSBU in London, the workshop provided a broad platform for discussing intelligent manufacturing, robotic hybrid manufacturing, digital twins, industrial AI, in-process sensing, quality control and human-centred production systems.

The combination of keynote talks, invited academic presentations, industry contributions, work package updates, ESR presentations, laboratory demonstrations and focused breakout discussions created a balanced programme linking research excellence with industrial relevance. The participation of external organisations and research institutions strengthened the visibility of the project and supported future collaboration across academia and industry.

The workshop also advanced project coordination by reviewing technical work package progress, supporting ESR development, reinforcing dissemination and inclusivity activities, and clarifying future training and funding opportunities. The concluding discussions on intellectual property, impact and joint funding provided a useful basis for continued collaboration beyond the workshop. Overall, the WoIM made a substantive contribution to the scientific, technical and networking objectives of the TWIN-IT-ROMANS project.

Appendix A, Detailed Schedule

The detailed schedule is incorporated in the Workshop Schedule section of this report. The original agenda flyer contained the same structure and was circulated to participants before the event.

13-15 MAY 2026

WORKSHOP ON INTELLIGENT MANUFACTURING

TWIN-IT-ROMANS HORIZON EUROPE PROJECT

Passmore Centre, 12 Borough Road, London, SE1 0AN, UK

This workshop brings together leading researchers and project partners to advance robotic hybrid manufacturing, AI-enabled digital twins, and interoperable production systems within the TWIN-IT-ROMANS pilot framework.

Workshop Chair:
Dr Bugra Alkan
School of Computer Science and Digital Technologies
College of Technology and Environment
London South Bank University

Core Themes

- Robotic hybrid manufacturing for large and complex components
- In-process sensing and closed-loop quality assurance
- Digital twins for continuous shop-floor synchronisation
- OPC UA-based industrial communication
- AI for adaptive, resilient and self-optimising production systems
- Reconfigurable and human-centric manufacturing cells

Programme Highlights

- Consortium and invited keynote talks
- AI-enabled demonstrators and digital twin solutions
- Collaborative project working sessions and technical discussions
- PhD and early-career research forum, laboratory tour, and IP briefing

For enquiries: alkanb@lsbu.ac.uk

Project Partners:





TWIN-IT-ROMANS
Workshop on Intelligent Manufacturing
13-15 May London

Keynote Speakers



Prof Duc Pham
University of Birmingham



Prof Saurav Goel
London South Bank University

TWIN-IT-ROMANS project funded by the European Union. UK participants supported by UK Research and Innovation (Horizon Europe Guarantee).



ABOUT THE HOST INSTITUTION

London South Bank University

London South Bank University (LSBU) is one of London's leading modern universities, with a strong emphasis on applied research, industry engagement, professional education, and real-world impact. Established originally as the Borough Polytechnic Institute in 1892, LSBU has a long history of supporting engineering, technology, and industrial innovation in the heart of London. Located in Southwark, central London, LSBU's campus is positioned close to major transport links including Elephant & Castle, Waterloo, London Bridge, and the South Bank innovation district. The university provides a highly interdisciplinary environment that brings together expertise across engineering, computer science, robotics, digital technologies, health technologies, architecture, and sustainable systems engineering. LSBU has developed a strong reputation for industry-focused education and translational research, working closely with industrial partners, SMEs, public organisations, and international collaborators. The university hosts multiple research centres and specialist laboratories supporting research in intelligent manufacturing, AI-enabled systems, digital twins, robotics, cyber-physical systems, smart infrastructure, and sustainable engineering technologies.

VENUE INFORMATION

Passmore Centre

The workshop will take place at the Passmore Centre, located on LSBU's Southwark campus in central London. The venue provides modern conference and seminar facilities suitable for keynote presentations, technical sessions, networking activities, and live demonstrations.

Address: Passmore Centre, London South Bank University 12 Borough Road London SE1 0AN United Kingdom



KEYNOTE SPEAKERS



Professor Duc Truong Pham OBE, FREng, FLSW, FSME, BE, PhD, DEng,
CEng, FIET, FIMechE
Department of Mechanical Engineering
University of Birmingham

Duc-Truong Pham holds the Chance Chair of Engineering at the University of Birmingham. He has published over 700 papers and books on intelligent systems, advanced manufacturing and remanufacturing and has graduated more than 100 PhD students. His awards include five prizes from the Institution of Mechanical Engineers, a Lifetime Achievement Award from the World Automation Congress and a Distinguished International Academic Contribution Award from the IEEE. He is a Fellow of the Royal Academy of Engineering, Learned Society of Wales, SME, IET and IMechE. He is the founding editor of the Springer Series in Advanced Manufacturing and editor-in-chief of Cogent Engineering and the International Journal on Interactive Design and Manufacturing. He obtained his Bachelor's, PhD and DEng degrees from the University of Canterbury (NZ).



Professor Saurav Goel FIMMM, FHEA, CEng
School of Engineering and Design
London South Bank University

Professor Saurav Goel is an internationally recognised leader in advanced manufacturing and materials processing, consistently ranked among the world's top 2% of scientists for over six consecutive years. He holds a Chair in Manufacturing at London South Bank University and serves as Visiting Professor at multiple institutions across the United Kingdom, India and China. He is an Associate Editor for the Q1 Journal of Manufacturing Processes. Professor Goel has secured more than £10 million in competitive research funding, enabling the establishment of a world-class Surface Manufacturing Laboratory in central London. His research spans precision and ultra-precision manufacturing, surface engineering and sustainable materials processing, with strong industrial and societal impact. With ~10,000 citations and h-index ~ 50, he has authored ~ 200 peer-reviewed journal publications in leading outlets including Progress in Materials Science, Applied Physics Reviews, Nature Asia Materials, npj Materials Sustainability, Acta Materialia, Acta BioMaterialia and International Journal of Machine Tools and Manufacture. He was selected to deliver "Great Talks" in 2025 by the British Council which is an international flagship initiative promoting research excellence and public engagement.

WORKSHOP AGENDA

Day 1 – 13 May 2026

08:30 – 09:00	Registration & Welcome Coffee	
09:00 – 09:30	Welcome Addresses	Prof Issa Chaer Associate Dean Research and Innovation College of Technology and Environment London South Bank University Prof Ian Mackie Head of Computer Science and Digital Technologies London South Bank University
09:30 – 10:30	Strategic Vision of the TWIN-IT-ROMANS Project (13_01)	Prof Can Dede Izmir Institute of Technology Dr Evren Samur HKTM, Boğaziçi University
10:30 – 11:00	Coffee Break	
11:00 – 11:45	Keynote Talk <i>Sustainable Frontiers in Precision Manufacturing and Engineered Surfaces</i>	Prof Saurav Goel London South Bank University
11:45 – 12:30	Keynote Talk (Online) <i>Research into Robotic Disassembly, A Key Enabler of Sustainable and Intelligent Remanufacturing</i>	Prof Duc Pham University of Birmingham
12:30 – 13:30	Lunch (Caxton House - LSBU)	
13:30 – 14:15	Industry Talk Ocado Technology	Tafline James-William Engineering Team Leader, Robotics Simulation, Advanced Technology Stream, Ocado Technology
14:15 – 15:00	Industry Talk and AI Vision Demonstration Keyence UK	Oliver Ring Engineer, Vision and Measurement Division, Keyence UK
15:00 – 15:30	Coffee Break	
15:30 – 16:15	Industry Talk ATS Automation Tooling Systems	Steve Maskell Reliability Engineering Manager & Regional Leader ATS Life Sciences Systems, UK & Ireland Region
16:15 – 16:30	Group Photo – LSBU Borough Road + Hub	
16:30 – 18:00	Guided Laboratory Tours & Live Demonstrations PhD Poster Flash Session (in laboratory spaces)	
19:30 – 21:00	Workshop Dinner Brasserie Blanc Southbank 9 Belvedere Road, London, SE1 8YP	

Note 1: After the group photo, participants will be divided into smaller groups to begin the LSBU and laboratory tours. Each group will be guided by an LSBU member. This is intended to help the visits run smoothly and to avoid congestion in the laboratories.

Note 2: The restaurant is approximately a 15–20-minute walk from the Passmore Centre and is located near the Southbank Centre and London Eye area. Participants may return to their hotel briefly after the laboratory tours or make their own way directly to the venue for dinner at 19:30. For those who wish to walk together, we will organise a walking group departing from the Passmore Centre at 19:00. The route is straightforward via Waterloo Road and Belvedere Road. Taxis and Uber are also readily available if preferred.

Day 2 – 14 May 2026		
Advanced Robotics and Intelligent Systems (09:00 - 12:30) Chair: Dr Bugra Alkan		
09:00 – 09:45	 Host Academic Talk Intelligent Manufacturing at LSBU	Dr Bugra Alkan London South Bank University
09:45 – 10:30	 Invited Academic Talk	Dr Natalia Hartono and Dr Malarvizhi Kaniappan Chinnathai University of Exeter
10:30 – 11:00	 Coffee Break	
11:00 – 11:45	 Invited Academic Talk	Dr Mingfeng Wang Brunel University London
11:45 – 12:30	 Invited Academic Talk	Dr Emre Uzunoglu Senior Robotics Research Engineer UK Atomic Energy Authority
12:30 – 13:30	 Lunch (Caxton House - LSBU)	
13:30 – 14:00	 Gender Equality & Inclusivity Good Practices and Institutional Perspectives at LSBU	Dr Safia Barikzai London South Bank University
TWIN-IT-ROMANS Project Updates (14:00 - 16:00) Chair: Prof Can Dede		
14:00 – 14:15	Technical Work Package Updates  Prototype Development (14_01)	Prof Can Dede Izmir Institute of Technology Prof Giuseppe Quaglia Politecnico di Torino
14:15 – 14:30	Technical Work Package Updates  Cell Optimisation (14_02)	Prof Gokhan Kiper Izmir Institute of Technology Prof Burkhard J. Corves RWTH Aachen University
14:30 – 14:45	Technical Work Package Updates  Inline Quality Control (14_03)	Dr Halil Tetik Izmir Institute of Technology Dr Bugra Alkan London South Bank University
14:45 – 15:00	Technical Work Package Updates  Materials & Hybrid Manufacturing Component (14_04)	Dr Busra Karas Izmir Institute of Technology Prof Alborz Shokrani University of Bath
15:00 – 15:30	 Coffee Break	
15:30 – 15:45	 Dissemination & Communication Updates (14_05)	Dr Busra Karas Izmir Institute of Technology
15:45 – 16:00	 Gender Equality & Inclusivity Report and Updates (14_06)	Dr Benay Uzer Yilmaz Izmir Institute of Technology

ESR Talks - Research Progress to Date and Planned Future Work (16:00 - 17:00) Chair: Dr Bugra Alkan		
16:00 – 16:15	 ESR Technical Presentations – I (14_07)	Berk Kurt Izmir Institute of Technology
16:15 – 16:30	 ESR Technical Presentations – II (14_08)	Gizem Merve Gunduz Izmir Institute of Technology
16:30 – 16:45	 ESR Technical Presentations – III (14_09)	Hasan Cezayirli Izmir Institute of Technology
16:45 – 17:00	 ESR Technical Presentations – IV (14_10)	Nazife Cerci Izmir Institute of Technology
17:00 – 18:00	 Parallel Work Package Discussions (Breakout Rooms)	
19:30 – 21:00	 Workshop Dinner Paladar 4–5 London Road, London, SE1 6JZ, UK	

Note 1: The restaurant is approximately a 5-minute walk from the Passmore Centre and is located near Elephant & Castle. Participants may return to their hotel briefly after the workshop sessions or make their own way directly to the venue for dinner at 19:30. For those who wish to walk together, we will organise a walking group departing from the Passmore Centre at 19:15.

 **Day 3 – 15 May 2026**

09:00 – 10:30	 Intellectual Property, Funding, and Impact	Neil Pearce London South Bank University Rahimunnessa Syeda Lynam London South Bank University
10:30 – 11:00	 Coffee Break	
11:00 – 11:15	 Aachen Summer School Plans & Expected Outcomes (15_01)	Prof Burkhard J. Corves RWTH Aachen University
11:15 – 12:15	 Concluding Roundtable – Future Collaboration & Joint Funding (15_02) Chair: Dr Busra Karas	
12:15 – 12:30	 Closing Remarks	Coordinator: Prof Can Dede Host Institution: Dr Bugra Alkan

Note 1: The Day 3 IP Strategy & Funding Opportunities session (09:00–10:30) will also be held online and will be open to LSBU colleagues who wish to attend remotely. The workshop will officially conclude with the closing remarks at 12:30.

Appendix B, Organisations Represented

- London South Bank University: 16 participant(s)
- Izmir Institute of Technology: 10 participant(s)
- ATS Corporation: 2 participant(s)
- RWTH Aachen University: 2 participant(s)
- University of Bath: 2 participant(s)
- University of Exeter: 2 participant(s)
- AMFG: 1 participant(s)
- Brunel University of London: 1 participant(s)
- HKTM: 1 participant(s)
- Kyndryl: 1 participant(s)
- Keyence UK: 1 participant(s)
- Ocado Technology: 1 participant(s)
- Politecnico di Torino: 1 participant(s)
- UK Atomic Energy Authority: 1 participant(s)