

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:



EST 1892
LSBU
London South
Bank University



TWIN-IT-ROMANS

Featured Speakers



Prof Duc Pham
University of Birmingham



Prof Saurav Goel
London South Bank University



Dr Natalia Hartono
University of Exeter



Dr Malarvizhi Chinnathai
University of Exeter

Industry Contributors



ocado
TECHNOLOGY



AMFG



Rapid Fusion

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



📅 Day 1 – 13 May 2026







08:30 – 09:00	☕ Registration & Welcome Coffee	
09:00 – 09:30	🎤 Welcome Addresses	Prof Issa Chaer & Prof Ian Mackie London South Bank University
09:30 – 10:30	🌐 Strategic Vision of the TWIN-IT-ROMANS Project	Prof Can Dede Izmir Institute of Technology Dr Evren Samur HKTM
10:30 – 11:00	☕ Coffee Break	
11:00 – 11:45	🎓 Invited Academic Talk	Prof Saurav Goel London South Bank University
11:45 – 12:30	🎓 Invited Academic Talk (Online)	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 Intelligent pilot cells with technical staff ⚡ 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

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 (tbc) UKAEA
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
	Project Updates (14:00 - 16:00) Chair: Prof Can Dede	
14:00 – 14:15	<i>Technical Work Package Updates</i>  Prototype Development	Prof Can Dede Izmir Institute of Technology Prof Giuseppe Quaglia Politecnico di Torino Benjamin Massow MCI Innsbruck
14:15 – 14:30	<i>Technical Work Package Updates</i>  Cell Optimisation	Prof Gokhan Kiper Izmir Institute of Technology Prof Burkhard J. Corves RWTH Aachen University
14:30 – 14:45	<i>Technical Work Package Updates</i>  Inline Quality Control	Dr Halil Tetik Izmir Institute of Technology Dr Bugra Alkan London South Bank University
14:45 – 15:00	<i>Technical Work Package Updates</i>  Materials & Hybrid Manufacturing Component	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	Dr Busra Karas Izmir Institute of Technology
15:45 – 16:00	 Gender Equality & Inclusivity Report and Updates	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	

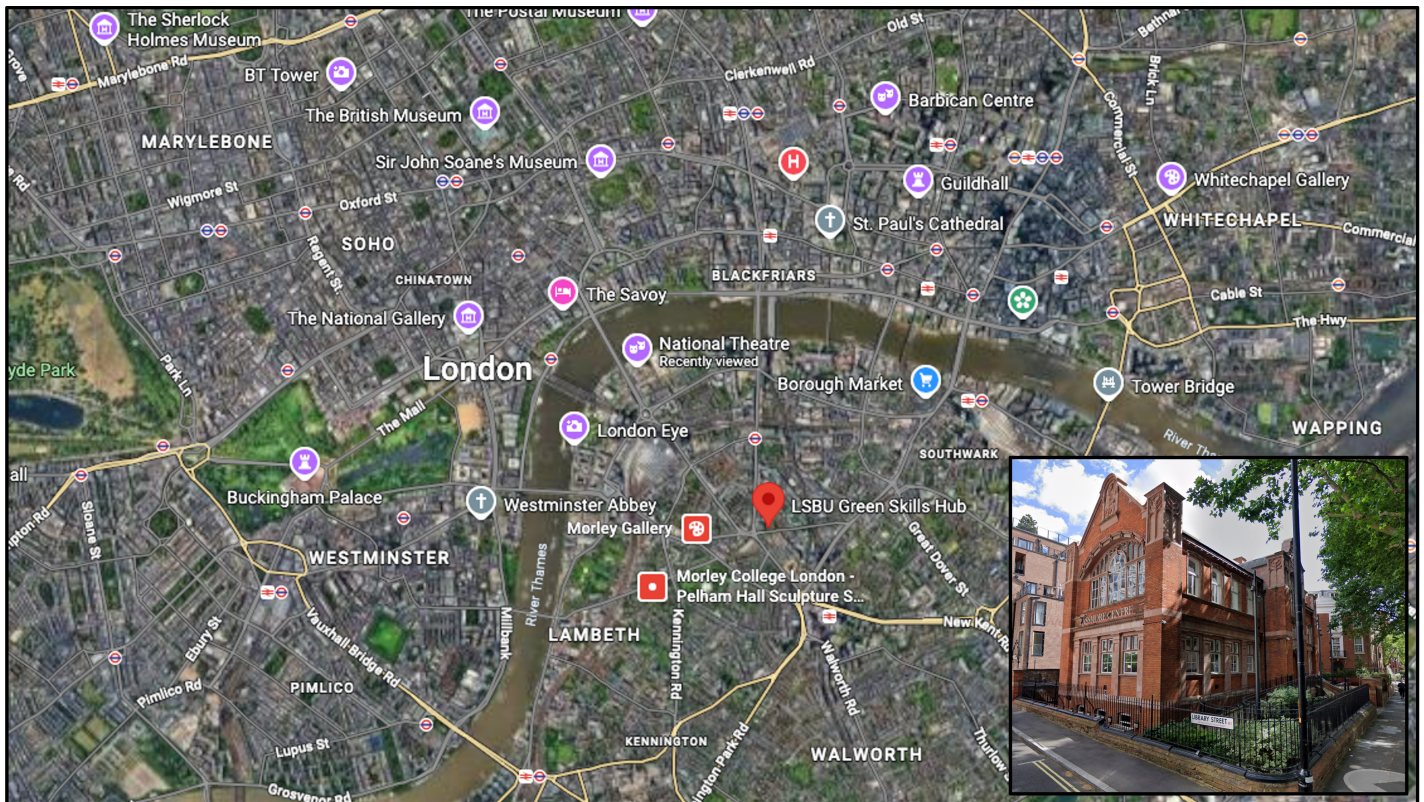
16:00 – 16:15	 ESR Technical Presentations - I	Berk Kurt Izmir Institute of Technology
16:15 – 16:30	 ESR Technical Presentations - II	Gizem Merve Gunduz Izmir Institute of Technology
16:30 – 16:45	 ESR Technical Presentations - III	Hasan Cezayirli Izmir Institute of Technology
16:45 – 17:00	 ESR Technical Presentations - IV	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	Prof Burkhard J. Corves RWTH Aachen University
11:15 – 12:15	 Concluding Roundtable – Future Collaboration & Joint Funding 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.



Travel Route to the Passmore Centre, London South Bank University

After arriving at London Heathrow Airport (LHR) or London Gatwick Airport (LGW), there are several convenient ways to reach the Passmore Centre, London South Bank University (LSBU).

Heathrow Express / Elizabeth Line + London Underground (approx. 40–60 min)

From Heathrow Airport, you can take either the Heathrow Express to Paddington Station or the Elizabeth Line towards central London. From Paddington, transfer to the London Underground Bakerloo Line towards Elephant & Castle and alight there. The Passmore Centre at London South Bank University is approximately an 8-minute walk from the Elephant & Castle station. Note that the Heathrow Express requires a separate ticket and is more expensive than the Elizabeth Line.

London Underground (Piccadilly Line) + Bakerloo Line (approx. 60–70 min)

Take the Piccadilly Line from Heathrow Airport towards Cockfosters and change at Piccadilly Circus. Transfer to the Bakerloo Line towards Elephant & Castle and alight there. The Passmore Centre is about an 8-minute walk from the station.

Train from Gatwick Airport (approx. 35–50 min)

From Gatwick Airport, take a Thameslink train towards Bedford, Cambridge, or Peterborough. Some services stop directly at Elephant & Castle, which is approximately an 8-minute walk from the Passmore Centre at London South Bank University. If the train does not stop at Elephant & Castle, you may instead get off at London Blackfriars, from where you can take a short taxi ride (around 10 minutes) or walk approximately 15–20 minutes to LSBU.

Taxi (approx. 45 – 75 min depending on traffic)

Licensed London black cabs and app-based services such as Uber are available at both Heathrow and Gatwick airports. Typical fares are approximately:

- Heathrow Airport → LSBU: £60 – £90
- Gatwick Airport → LSBU: £90 – £120

Travel times may vary depending on traffic conditions.

Public Transport Fares (TfL)

London's public transport network (Transport for London – TfL) accepts contactless bank cards, Apple Pay, and Google Pay, which is the easiest option for most visitors. Alternatively, oyster cards can be purchased at most Tube stations and ticket machines. Typical pay-as-you-go fares in central London are:

- London Underground / Elizabeth Line: approximately £3.00–£3.70 per journey within central zones.
- Bus: £1.75 per journey, including unlimited transfers within one hour. Daily cap (Zones 1–2): approximately £8.90, after which additional travel that day is free.

Visitors are advised to use contactless payment directly at ticket gates, which automatically applies the cheapest fare and daily cap.

Safety and Security

London is generally a safe city, but visitors should remain mindful of personal belongings when travelling on public transport and in busy areas such as train stations and airports. Please keep bags and valuables secure and avoid leaving luggage unattended. Official taxis and licensed ride-hailing services are recommended for late-night travel.

Emergency Telephone Numbers (United Kingdom)

- **999** – Emergency services (Police, Ambulance, Fire Brigade)
- **112** – European emergency number (also works in the UK)
- **101** – Non-emergency police assistance
- **111** – Non-emergency medical advice (NHS)

Embassies in London

For assistance, visitors may contact their respective embassies:

Austria

Embassy of the Republic of Austria
18 Belgrave Mews West, London SW1X 8HU
Tel: +44 (0)20 7344 3250
<https://www.bmeia.gv.at/en/austrian-embassy-london>

Germany

Embassy of the Federal Republic of Germany
23 Belgrave Square, London SW1X 8PZ
Tel: +44 (0)20 7824 1300
<https://uk.diplo.de>

Italy

Embassy of Italy
14 Three Kings Yard, Davies Street, London W1K 4EH
Tel: +44 (0)20 7312 2200
<https://amblondra.esteri.it>

Türkiye

Embassy of the Republic of Türkiye
43 Belgrave Square, London SW1X 8PA
Tel: +44 (0)20 7393 0202
<https://londra-be.mfa.gov.tr>

If consular assistance is required, visitors are advised to contact their embassy directly or inform the workshop organisers.

Hotel Recommendations

Participants are kindly asked to arrange and book their own accommodation for the duration of the workshop. The following hotels are conveniently located within walking distance of the Passmore Centre, London South Bank University and are frequently used by visitors to the university:

H10 London Waterloo

284–302 Waterloo Road, London SE1 8RQ

<https://www.h10hotels.com/en/london-hotels/h10-london-waterloo>

Hampton by Hilton London Waterloo

157 Waterloo Road, London SE1 8XA

https://www.hilton.com/en/hotels/lonwlhx-hampton-london-waterloo/?SEO_id=GMB-EMEA-HX-LONWLHX

Premier Inn London Southwark (Southwark Station)

Bankside, 34 Park Street, London SE1 9EF

https://www.premierinn.com/gb/en/hotels/england/greater-london/london/london-southwark-southwark-station.html?cid=GLBC_LONCUT

Travelodge London Central Waterloo

195–203 Waterloo Road, Baron's Place, London SE1 8UX

<https://www.travelodge.co.uk/hotels/421/London-Central-Waterloo-hotel>

Participants are encouraged to book accommodation early, as hotels in central London may fill quickly, particularly during busy periods.

Workshop Contact Information

For any questions regarding the workshop programme, logistics, or travel arrangements, please contact the organising team:

Dr Bugra Alkan

Workshop Chair & Scientific Coordination

alkanb@lsbu.ac.uk

Naimul Hasan

Workshop Logistics & Event Coordination

naimul.hasan@lsbu.ac.uk


Louie Webb and Zarin Shabab

Industry Engagement & External Relations

webbl4@lsbu.ac.uk - shababz@lsbu.ac.uk

Venue

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

 LSBU Main Reception: +44 (0)20 7815 7815