

International Conference for Production Research (Africa–Europe–Middle East Region)

21 June to 24 June 2026

Newcastle University Business School, Newcastle, UK

Sunday 21 June	Newcastle University Business School (NUBS) reception
16:00–19:00	Registration and light reception

Monday 22 June	
9:30–12:30	Opening Ceremony (the St James' View on the 8 th Floor in NUBS)
12:30–13:30	Lunch (the St James' View on the 8 th Floor in NUBS)

Parallel Sessions

Session 1 – Artificial Intelligence	
<i>NUBS 2.13</i>	Chaired by: Dr. Millar Keith

13:30–14:00	Fairness in Supply Chains: Uncharted Territory for Artificial Intelligence as Enabler? Li, X., Dekkers, R., Zhou, Q.
14:00–14:30	Does AI Reduce the Supply Chain Digital Divide? The Role of Social Systems and Absorptive Capacity Yang, Y., JIANG, Y.
14:30–15:00	Big Data Predictive Analytics Capabilities and Triple Bottom Line Sustainability Performance: The Mediating Role of Data-Driven Decision-Making and Moderating Effect of Environmental Dynamism Sharma, R., Kugara, G., Xie, X., Khan, S., Subhani, F.
15:00–15:30	Coffee break (the St James' View on the 8 th Floor in NUBS)
15:30–16:00	AI-Energy-Rare Earths Nexus – Risks and opportunities Dragomir, M., Popișter, F., Dragomir, D., Popescu, D.
16:00–16:30	AI-Driven allocation of second-life batteries in circular supply chains Zhu, H., HU, J., YANG, Y.

Session 2 – Circular Supply Chains	
<i>NUBS 2.14</i>	Chaired by: Dr. Xiaotian Xie

13:30–14:00	Building The Competence and Capability in Electric Vehicle Battery Recycling Luo, J., JIANG, Y., YANG, Y.
14:00–14:30	Smart Returns for Socially Sustainable Circular Supply Chains: A Critical Realist Qualitative Study in Saudi Consumer Electronics Fallatah, M.

14:30–15:00	A System Evaluation Framework for Cost-Risk Interactions in Offshore Wind Farm Maintenance Supply Chain Based on Fuzzy DEMATEL–ISM Dang, H., YANG, Y., HU, J.
15:00–15:30	Coffee break (the St James' View on the 8 th Floor in NUBS)
15:30–16:00	A Systematic Literature of Circular Economy Strategies for End-of-life Photovoltaic Modules Shi, Y., HU, J., JIANG, Y., YANG, Y.
16:00–16:30	A Structured Life Cycle Inventory Database Method for Carbon-Driven Early Product Design Don Merenchige, U., JI, S.

Tuesday 23 June

Parallel Sessions

Session 3 – Digital Manufacturing

NUBS 2.13 Chaired by: Dr. Rohit Sharma

9:30–10:00	Strategic Selection of Industry 4.0 Technologies: Integrating Benefits through the Balanced Scorecard: A literature review Quezada, L., López, B., Palominos, P., Montt, C., Oddershede, A.
10:00–10:30	Digital maturity assessment (DMA) in the EDIH context: a profile and exploratory analysis of SMEs in the north west region of Romania Cindea, N., Popescu, D., Croitoru, I.
10:30–11:00	Success factors for digital transformation in manufacturing SMEs LEE, E., ACUR, N., Zhou, Q.

11:00–11:30 **Coffee break** (the St James' View on the 8th Floor in NUBS)

11:30–12:00	Real-Time RULA-Based Posture Assessment Using Asset Administration Shell Lentes, J., Frey, S., Riedel, O.
12:00–12:30	Will Digitilisation Build Resilience into Operations? - A Pros and Cons Analysis Dr. Kamil Erkan Kabak , Jana Kunecová , Gałina Robertsonsone , Yuki Kinoshita , Pablo Carpejani , Diana Ilea , Dr. Qijun Zhou , Dr. Rob Dekkers

Section 4 – Supply Management

NUBS 2.14 Chaired by: Dr. Yan Jiang

9:30–10:00	From Early-Stage Digitalisation to Auditable Control: The Translation Work of Supplier Upgrading under Buyer-Led Governance Luong, T., Tan, K., Chesney, T.
10:00–10:30	A Fuzzy Evaluation and Analysis Model for Multi-Quality Characteristics in Smart Manufacturing Chen, K., Tan, K., Yu, C.

10:30–11:00 **The Internet of Things Implementation in Supplier Management: A Systematic Literature Review of Applications, Mechanisms, and Research Directions**
Wang, Y., YANG, Y., HU, J.

11:00–11:30 **Coffee break** (the St James' View on the 8th Floor in NUBS)

11:30–12:00 **A Multi-Criteria Suppliers Assessment Framework**
Franchino, M., Kandemir, C., Ruiz-Hernandez, D., Shi, V.

12:00–12:30 **Takeaway Supply Chains: A Systematic Review of Governance, Coordination, Transparency and Incentive Mechanism**
Zhou, Y., YANG, Y., JIANG, Y., HU, J.

12:30–13:30 **Lunch** (the St James' View on the 8th Floor in NUBS)

13:30–15:00 **Meet with Editors**
St James' View

15:00–15:30 **Coffee break** (the St James' View on the 8th Floor in NUBS)

Parallel Sessions

Session 5 – Manufacturing

NUBS 2.13 Chaired by: Dr. Qijun Zhou

15:30–16:00 **Cybernetic Logic Model for Digital Triplets**
Kabak, K., Dekkers, R., Zhou, Q.

16:00–16:30 **Manufacturing-as-a-Service: A Dual-Perspective Decision Framework**
Lentes, J., Hertwig, M., Riedel, O.

16:30–17:00 **Bearing fault diagnosis model based on uncertainty perception bidirectional domain adaptation**
Zhendong, X.

Session 6 – Human-Centric Services Operations

NUBS 2.14 Chaired by: Dr. Jenny Liu

15:30–16:00 **Beyond the Project Paradox: Digital Kaizen and the Evolutionary Product Mindset in Healthcare Ecosystem Scaling**
Nguyen, N., YANG, Y.

16:00–16:30 **Leaning into Sustainability: How lean practices enhance the operational performance effects of sustainability initiatives**
Millar, K., Cadden, T., Bennett, H., Awan, A.

16:30–17:00 **Human Factors Constraints in Lean–Green Service Production: Evidence from GCC Retail Banking**
Awan, A.

Gala Dinner (7pm at Blackfriars Restaurant (NE1 4XN))

Wednesday 24 June

Session 7 – Emerging Technology

NUBS 2.13 Chaired by: Dr. Biao Yang

- 9:30–10:00 **Internet of Things Implementation in Supply Networks: Implications for Supplier Capabilities and Green Innovation**
Wang, Y., YANG, Y., HU, J.
- 10:00–10:30 **Challenges and impacts of ISO 17025 Accreditation in the Mauritian laboratory landscape**
Callychurn, D., Ramsurrun, B.
- 10:30–11:00 **Unpacking Smart Fitness Technology in Sport Management: Mapping the Research Landscape and User Outcomes: a scoping review**
Ma, W., Chen, S., Liu, H.
- 11:00–11:30 **Coffee break** (the St James' View on the 8th Floor in NUBS)
- 11:30–12:00 **Workcell planning and assembly sequence optimization with reusable code**
Idel, I., Shneor, R., Berman, S.
- 12:00–12:30 **Experimental studies on the applications of microwave physics to enhance the structural properties of Aluminium Alloy 2024**
Muniyappa, A., P K, A., Roy, K., Rangappa, D., Devaraj, S., Bhagat, P.

Session 8 – Sustainability

NUBS 2.14 Chaired by: Dr. Nyugen Kim Ngan

- 9:30–10:00 **A Conceptual Scoring System for Assessing Social Sustainability in Industrial Environments**
Kaur, S., Chan, M., Pu, J.
- 10:00–10:30 **Beyond Digitisation: Substantive Decoupling and the Operational Logic of Quality 5.0.**
Ojubanire, O.
- 10:30–11:00 **How supply chain governance shapes marginalization in African agri-food systems**
Ojubanire, O., Oyedijo, A.
- 11:00–11:30 **Coffee break** (the St James' View on the 8th Floor in NUBS)
- 11:30–12:00 **Integrity of Industrial Ecosystems: An Evaluation Approach for Manufacturing Companies**
Werner, A., Munderich, J., Deser, F., Zimmermann, N., Riedel, O
- 12:00–12:30 **Translating Digital Capabilities into Operational Performance: A Multi-Stage Synthesis of Mechanisms and Innovation Pathways**
Maitra, S., Lu, H., YANG, Y., Chu, I.
- 12:30–13:30 **Lunch** (the St James' View on the 8th Floor in NUBS)
- 13:30 **Visit to Amazon** (meet outside NUBS at 1:30)