



Members' Newsletter – June 2024

Upcoming Events

TE2024 Conference (Jul 9th – 11th 2024)

<https://www.te2024.org.uk/>

Call for Nominations: ISTE President

As Prof Linda Newnes' term as ISTE president will conclude in 2024, we are deeply thankful for Linda's dedication and contributions to ISTE and the TE conferences. At the upcoming TE2024 conference, we plan to honour her service and celebrate her achievements.

In line with ISTE statutes and bylaws, we are now seeking nominations for the position of ISTE President. We encourage all active members to participate in the nomination process, which is as follows:

1. **Nominee Information:** Confirm the nominee's willingness to serve.
2. **Proposer and Secunder:** Details of the members nominating and seconding.
3. **Statement of Interest:** A 100-word summary from the nominee.

Nominations must be submitted in writing before the AGM at TE2024 (9th - 11th July) at UCL, London. Nominations do not require any specific format (E.g., email, word documents are accepted), and should be sent to the ISTE General Secretary at wim.verhagen@rmit.edu.au.

Please do not hesitate to contact me or other [board members](#) with any questions or for further information about the role. Your participation is invaluable as we look to the future of ISTE leadership. If you intend to submit a nomination, kindly inform us to help facilitate AGM preparations.

ISTE Membership

Since the last newsletter we have grown from 227 to 229 members (20/06/24). Please continue to promote the Society through your networks and if you see any opportunities for us to reach new audiences, please let us know.

[Dr. Mersha Aftab, Senior Lecturer in Design Management, Birmingham City University](#)

My expertise lies in human-centred design, where I serve as a bridge between diverse disciplines to co-create innovative solutions. I also explore the profound impact of empathy in organisational leadership and transformation. My academic journey spans from a bachelor's in Fashion and Information Technology to a doctorate in Design Management, delving into the strategic value of design in multinational corporations. As a principal investigator and reviewer

for prestigious design publications and conferences, I continually seek to push the boundaries of interdisciplinary research. Embedded in industry practice, I collaborate with renowned companies like Philips, Unilever, and Airbus to drive meaningful change through design innovation. I currently lead an international network called Design-led Transformation, which brings together the public, private and higher education sectors to discuss and articulate the role of design in transformation.

Dr Liz Cooper, Heriot-Watt University, uses a qualitative method from social psychology, discursive psychology, to study sustainability-related decision-making and influence within organisations. Her focus is on language use within business settings. She has recently conducted research on decision-making related to environmental social responsibility in product design. She is currently seeking collaborators to gain access to record meetings in professional design and engineering settings, in which sustainability factors are discussed. More info: liz.cooper@hw.ac.uk

Transdisciplinary Publications

Notable industry/ academia publications:

- Pfendtner-Heise, Jannis, et al. "Making mutual learning tangible: Mixed-method Delphi as a tool for measuring the convergence of participants' reciprocal understanding in transdisciplinary processes." *Futures* 159 (2024): 103365.
- Waseem, Muhammad, and Qing Chang. "From Nash Q-learning to nash-MADDPG: Advancements in multiagent control for multiproduct flexible manufacturing systems." *Journal of Manufacturing Systems* 74 (2024): 129-140.
- Andrews, Lisa M., et al. "Conceptualising boundary work activities to enhance credible, salient and legitimate knowledge in sustainability transdisciplinary research projects." *Environmental Science & Policy* 155 (2024): 103722.
- Kreß-Ludwig, Michael, et al. "Lessons from transdisciplinary urban research to promote sustainability transformation in real-world labs: Categories, pathways, and key principles for generating societal impact." *GAIA-Ecological Perspectives for Science and Society* 33.1 (2024): 10-17.
- Wiefek, Jasmin, Emilia Nagy, and Martina Schäfer. "Formative evaluation of transdisciplinary research for systematic impact orientation in real-world laboratories." *GAIA-Ecological Perspectives for Science and Society* 33.1 (2024): 94-101.
- Franck, Marlene, et al. "Creating and observing impacts in transdisciplinary projects- Insights from the social design lab." *GAIA-Ecological Perspectives for Science and Society* 33.1 (2024): 110-115.
- Christ, Michaela, et al. "Putting sufficiency into practice: Transdisciplinary sufficiency research in urban development: The Hafen-Ost real-world laboratory in Flensburg, Germany." *GAIA-Ecological Perspectives for Science and Society* 33.1 (2024): 26-34.
- Jambedu, Abu Tia, Badigamsira Inusah Abdul Majeed, and David Millar. "Ancestor centrism: A Philosophical Paradigm for Transdisciplinary Research (A)." *Zien Journal of Social Sciences and Humanities* 30 (2024): 12-28.
- McCormick, M. R., Mohammed Shafae, and Thorsten Wuest. "Machine Tool Interoperability in Smart Manufacturing and Industry 4.0: A Case Study."
- Flavian, Heidi. "Transdisciplinary Teaching: Main Concepts and Perspectives." *Transdisciplinary Teaching in Inclusive Schools: Promoting Transdisciplinary Education for Learners with Special Needs*. Cham: Springer International Publishing, 2024. 1-15.
- Amoudry, Laurent, et al. "Transdisciplinary co-design to assess impacts of climate change on coastal schemes." No. EGU24-7495. Copernicus Meetings, 2024.
- Dedeurwaerdere, Tom. *Transdisciplinary Research, Sustainability, and Social Transformation: Governance and Knowledge Co-Production*. Taylor & Francis, 2024.

- Mohadjer, Solmaz, et al. Disaster risk reduction for a resilient world: An online transdisciplinary course to enhance global awareness in training and education. No. EGU24-7712. Copernicus Meetings, 2024.
- Harrison, Matthew, et al. The UK Environmental Data Service; transdisciplinary data sharing using common standardised approaches, from National to European. No. EGU24-5149. Copernicus Meetings, 2024.
- Flavian, Heidi. "Thinking Skills, Mediation for Thinking Development and Transdisciplinary Teaching." Transdisciplinary Teaching in Inclusive Schools: Promoting Transdisciplinary Education for Learners with Special Needs. Cham: Springer International Publishing, 2024. 17-32.
- Zenk, Lukas, et al. "Meta-competences in complex environments: An interdisciplinary perspective." Thinking Skills and Creativity (2024): 101515.
- Eaton, Sarah Elaine. "Academic and research integrity as transdisciplinary fields of scholarship and professional practice." Second handbook of academic integrity. Cham: Springer Nature Switzerland, 2024. 1633-1650.
- Singh, Jagdeep. "THE ROLE OF DISCIPLINARY, INTERDISCIPLINARY, AND TRANSDISCIPLINARY EDUCATION IN SUSTAINABILITY SCIENCE." RESEARCH JOURNEYS TO NET ZERO (2024): 23.
- Smyrniotopoulou, Alexandra, George Vlahos, and Gerald Schwarz. "Deliverable 7.3 Report on assessment of transdisciplinary tools & methods (in-progress)."
- Bao, Yuguang, et al. "Further expansion from smart manufacturing system (SMS) to social smart manufacturing system (SSMS) based on industrial internet." Computers & Industrial Engineering 191 (2024): 110119.
- Leurs, Inge, et al. "Transdisciplinary Research for Sustainable Development: Diverse and Best-Practice at European Technical Universities." Foundations of Management 16.1 (2024): 41-58.
- Vienni-Baptista, Bianca, et al. "Sustainable transdisciplinary collaborations." Interdisciplinary Practices in Higher Education. Routledge, 2024. 190-213.
- Hammad, Muhammad, Ghulam Abbas, and Wasim Ahmed Khan. "IMS Framework for N11 and D8 Countries." Integration of Heterogeneous Manufacturing Machinery in Cells and Systems. CRC Press, 2024. 15-32.
- Rombach, Sonja, et al. "Transdisciplinary Research in Marine Science: What's the added value of involving stakeholders?." Transdisciplinary Journal of Engineering and Science 15 (2024): 297-318.

Other News

ISTE LinkedIn Group: Members have increased from 119 (13 March 2024), to 125 members (20 June 2024). To access the group, click on this link [ISTE LinkedIn Group](#).

We are keen to hear from our members. If you have anything you would like to include in the next edition of the ISTE newsletter, please email sl2091@bath.ac.uk