Members' Newsletter – December 2021

TE2022 – Conference, Boston (5th- 8th July 2022)

** ABSTRACT SUBMISSION AND WORKSHOP PROPOSAL DEADLINE – 7 JANUARY**

The theme of TE2022 has been announced as **"The Future of Engineering".** The full Call for Papers can be found on the conference website: www.te2022.org

While the pandemic remains uncertain, we are hopeful and planning for the conference to be in person. The campus and research at MIT have returned to a new normal given a transdisciplinary community and science approach. 98% of MIT community members are vaccinated and everyone on campus is tested twice a week. These protocols have led to a very safe work and study environment at MIT and will be in place next summer as well.

The TE2022 Conference Committee along with MIT Conferences services are well underway in planning the theme and logistics. A student committee from Boston area schools is planning community building activities, including local visits and ways for students to build cohort. Two keynote speakers have already accepted.

Please be sure to share the website and Call with your students and colleagues. We do expect a rigorous review process this year and high-quality set of TE related papers. In February, before the first full paper drafts are received, a Program Committee will be formed for those willing to review papers (strong hint!).

ISTE Membership

Our community continues to grow. Since the last newsletter we have grown from 102 to 108 members.

Although growing, as a Society we are still quite small and although bigger is not always better, we would like to extend our reach. Please continue to promote the Society through your networks and if you see any opportunities for us to touch new audiences please let us know.

Amongst our new members is Hannah Gooding. May I take the opportunity to welcome her into the community!

Hannah Gooding is a PGR student at the Surrey Business School at the University of Surrey. Collaborating with colleagues in the TREND research group from the University of Bath, her work focuses on what Transdisciplinary working means within the engineering business context. More specifically, what form of measurement can quantify theoretical transdisciplinarity into engineering projects in organisational contexts?

Interesting Publications

In this section we identify publications which might be of interest to the community. If you come across any publications which you feel worthy of highlighting, please let us know.

TE2021 Conference Proceedings: Available to view at https://intsoctransde.org/proceedings/

Defining Transdisciplinary Engineering: We all know that there is a plurality of definitions of transdisciplinarity; what researchers from the University of Bath wanted to know was whether as a community we have a shared definition of transdisciplinary engineering? To answer this, during TE2020 they took the opportunity to ask those who had submitted papers to the conference two questions: 1) How they defined TE; and 2) What they believed differentiates transdisciplinary for interdisciplinary engineering. What they found was that rather than one single definition there is a 'landscape' comprising multiple concepts. They propose that applying this landscape will enable researchers to more clearly communicate the research approach they have used. The published paper and can be found here:
https://www.inderscienceonline.com/doi/abs/10.1504/IJASM.2021.118072

We were excited to see that a paper first authored by David Romero, an ISTE Council member, was referenced in the recently published EU Industry 5.0 policy Brief. The paper: Romero, D., Stahre, J., Wuest, T., Noran, O., Bernus, P., Fast-Berglund, Å., Gorecky, D.: Towards an operator 4.0 typology: a human-centric perspective on the fourth industrial revolution technologies. In: Proceedings of the International Conference on Computers and Industrial Engineering, pp. 1–11 (2016) can be found here:
https://www.researchgate.net/publication/309609488_Towards_an_Operator_40_Typology_A_Human-Centric_Perspective_on_the_Fourth_Industrial_Revolution_Technologies

Research Opportunities

The TREND Research Group (University of Bath), have a PhD studentship available to research transdisciplinarity within the automotive sector. You can find more details here https://lnkd.in/dNuTDxP. Please be aware, because of the way that this PhD is funded there are eligibility criteria which we are not able to change. For more details refer to the website.

The Made Smarter Innovation: Centre for People-Led Digitalisation (https://vimeo.com/638588643) has a number of PhDs / researcher positions available to research adoption of industrial digital technologies in the manufacturing sector. Applicants are welcome from any discipline. For further details of our current vacancies please contact the Centre at P-LD@bath.ac.uk

Other News

ISTE LinkedIn Group: Members have increased from 40 (7th July), to 52 members (15/12/21). 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.