



Members Newsletter – Sept 2021

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

Important dates:

- Jan 15, 2022 : Abstract submission and workshop proposal deadline
- Jan 31, 2022 : Notification of abstract approval
- Mar 15, 2022 : Deadline for full paper submission
- Apr 23, 2022 : Feedback on submitted papers
- May 26, 2022 : Deadline for final paper submission
- Apr 4, 2022 : Registration opens

ISTE Membership

Our community continues to grow. Since the last newsletter we have grown from 95 to 102 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 are Mey Goh and is Kerstin Johansen. May I take the opportunity to welcome them into the community!

Dr Mey Goh is a Senior Lecturer in the Wolfson School of Mechanical, Electrical and Manufacturing Engineering at Loughborough University. Mey has a PhD in Mechanical Engineering from University of Bristol, UK in 2005. Since then, she has worked in two notable UK innovative manufacturing research centres: Innovative design Manufacturing Research Centre at University of Bath and Centre for Innovative Manufacturing in Intelligent Automation at Loughborough University. Her research addresses risk and uncertainty in novel, high-value and through-life industrial systems and concerns the role and understanding of human knowledge, skills and behaviour to design inclusive and sustainable industrial socio-technical systems. She enjoys working on transdisciplinary research with particular interest on data-driven approaches and models to support human-centred technologies and systems.

Kerstin Johansen, Senior Associate Professor, leads the research and educational environment focusing on “Integrated Development of Product and Production” at Jönköping university, Sweden.

My research has always been in the gap linking product development and production solutions – starting with my PhD thesis focusing on product introduction in collaboration between companies. I was an industrial PhD-student at Ericsson in Sweden, related to their mobile phone manufacturing, and has been working in industry for more than 10 years. After my PhD in 2005 I joined academia as a teacher and researcher. My depth of knowledge is my broadness – linking from my MSc in applied physics, my engineering as well as managerial experience from industry, a PhD in assembly technology related to machine design, collaboration with different industrial segments as well as both large companies and SMEs. I realize that I am transdisciplinary by heart.

Today, the ambition is to develop knowledge through research related to new opportunities to collaborate safely between humans and robots in collaborative tasks and new production technologies impose new requirements on how, as a production technician, you interact with a product development process. The goal of the research is to bridge the gap between academic research and industrial benefit, through collaboration linked to automation, production development and industrialization with the aim of jointly, with industry and other academic researchers, developing knowledge that contributes to future competitiveness related to societal challenges.

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.

Best Paper TE2021: Benchmark on human simulation tools: a transdisciplinary approach. Fabio Grandi, Sara Cavallaro, Margherita Peruzzini, Robert Raffaeli and Marcello Pellicciari (will be available to view in the TE2021 conference proceedings to be published Oct 2021)

DigiTwin: An Approach for Production Process Optimization in a Built Environment, Josip Stjepandić, Markus Sommer, and Berend Denkena. Available at <https://link.springer.com/book/10.1007/978-3-030-77539-1>

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.

Any other news

ISTE LinkedIn Group: Members have increased from 40 (7th July), to 48 (02 September). To access the group click on this link [ISTE LinkedIn Group](#)

We are looking for potential hosts for TE2023. If you are interested, please contact Margherita Peruzzini email margherita.peruzzini@unimore.it

We are looking for examples of projects (research or Industry) where although the engineering solution was technically correct/optimal, they fail because the context has not been fully considered. If you have any examples, please email Sue Lattanzio at sl2091@bath.ac.uk.

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.