

ECIAIR 2021

3rd European Conference on the Impact of Artificial Intelligence and Robotics

18 - 19 November 2021, Lisbon, Portugal

Mini Track on “Human Centred Futures; human factors for industry 4.0”

Mini Track Chair: Prof Karen Cham, University of Brighton, UK



“Human Centred Futures” is a proposed open call track for full academic and /or position papers, case studies and/or demos with regards all forms of human factors in the social application of robotics and AI for Industry 4.0

This would be including but not limited to, human/machine teaming, novel AI, neural networks, cognitive systems, psychology, ergonomics, human performance measures, sentiment analysis, behavioural analytics, conversion metrics and mitigating bias in VUCA scenarios enabled or accelerated by 5G, 6G and future networks. Verticals include:

- digital health, care and wellbeing
- agri-metrics and geo-data economies
- serious games, virtualised and simulated training
- next gen retail, arts and entertainment
- re-manufacturing and circular economies
- enterprise and behavioural change applications etc

Suggested topics include but are not limited to:

- untethered / remote XR applications
- intelligent DX and psychometrics
- EV & HITL systems
- IoT & IoP in smart homes, smart cities, smart planet
- quantified self Internet of Value (IoV) and Internet of Mind (IoM)



Karen Cham is Professor of Digital Transformation Design and academic lead of Connected Futures research at the University of Brighton. She heads up a £1.3m big data project with Gatwick airport in a Digital Catapult Centre B2B Data Innovation Lab and lead their £1.2m 5G Brighton testbed in partnership with 5GIC as part of the Govts 5G Strategy. She has 25 years in technology transformation and human centred design. Clients inc. Which?, Top Shop, EDF & EY. She is a NED of Nest, the UK Govts £10bn pension fund with 12m users, leading on its pivot to digital first FinTech transformation. In 2018 she was part of the 2018 DIT CreaTech mission to India alongside NHS Digital and CEO of Jaguar Landrover.

Submission details

In the first instance a 300 word abstract is required, to be received by **28 April 2021**. Please read the guidelines at <http://www.academic-conferences.org/policies/abstract-guidelines-for-papers/>

Submissions must be made using the online submission form at <https://www.academic-conferences.org/conferences/eciair/eciair-abstract-submission/>

If you have any questions about this track please email the mini track chair: K.Cham@brighton.ac.uk

See more about ECIAIR 2021 at <https://www.academic-conferences.org/conferences/eciair/>