Workshop:
Public Interest Technology (PIT) for Innovation in Global Development

An initiative of:

Venue
Virtual event, co-located with the IEEE International Symposium on Technology and Society (ISTS23), Swansea University, Swansea, Wales
https://attend.ieee.org/istas-2023/

Date
12th September 2023

Start time
Sydney, Australia (AEST): 20:00
London, UK (BST): 11:00
New York, USA (EDT): 06:00 (pre-record option available)

Duration
4 hours

Organisers
Roba Abbas (roba@uow.edu.au), University of Wollongong*
Katina Michael, Arizona State University
Dinara Davlembayeva, University of Kent
Savvas Papagiannidis, Newcastle University
Jeremy Pitt, Imperial College London

* Corresponding
Description
Public Interest Technology (PIT) can be defined as both a philosophy of design and development, and an outcome (e.g., product, process, procedure, policy) that entails exploiting technological potential in the interest of justice and or the public good (Abbas et al. 2021). PIT project and program examples include digital inclusion charters that seek to provide free access to information and the Internet (Basic Internet Foundation 2022), digitalised health education resources for rural communities (Holst et al. 2022; Holst et al. 2021), and the co-design of location services in the dementia context (Abbas and Michael 2022), among many other examples that advance the public interest and are highly sensitive to corresponding dangers (Abbas et al. 2022).

PIT for innovation in global development (Michael 2021) and other settings, must acknowledge the significance of context, the local community, and additional stakeholders, among other considerations. These include lived experience, collective action, accountability, professional expertise, transdisciplinarity as a change agent, the existing and potential technological landscape and the public policy setting to the design and development of democratic and open socio-technical systems (Abbas et al. 2021; Pitt et al. 2021). The corresponding projects and programs specifically require unique and diverse perspectives that endeavour to establish new and nurture existing collaborations, frameworks, models, and approaches that support contemporary challenges. This workshop welcomes empirical, theoretical, and conceptual research that furthers the emergent field of public interest technology for innovation, as it specifically applies to global development and the need for collaboration toward transdisciplinarity in addressing local, regional, national, international, and grand societal challenges.

Themes
• (Co-)creation of knowledge and open information infrastructures / projects / services
• Global development projects with an emphasis on
  o Public interest technology frameworks, models, approaches
  o Innovation ecosystems
  o Technology, innovation, and global development
  o Socio-technical systems and approaches (specific to technology and analytics)
  o Local, regional, national, international, and grand societal challenges in the context of socio-technical systems
  o Multi-stakeholder perspectives in relation to technology design and development
  o Human-centred, participatory, co-design, * by design and values-based approaches and projects
  o Responsible innovation
  o (Electronic) business models
• Case studies of global technology and development deployments
  o Agritech, fintech, medtech, regtech, edtech etc.
• Product innovations for inclusion
• Process interventions for innovation in global development
• Research-teaching nexus in supporting cross-institutional and cross-sectoral partnerships toward open, transdisciplinary models, projects, and programs
• Other emergent themes relevant to public interest technology and transdisciplinarity for global development, to be discussed with organisers prior to submission

Submission Details
• **General:** We invite submissions of original brief (2 pages) and extended (10 pages) conceptual, theoretical, and empirical papers, that will undergo blind peer review post initial screening.
• **Templates and Guidelines:** Papers should be submitted according to the following IEEE Conference Templates: https://www.ieee.org/conferences/publishing/templates.html, and further information is available at the IEEE Author Centre: https://conferences.ieeeauthorcenter.ieee.org/. Tips for authors new to the IEEE are available on the following web page: https://conferences.ieeeauthorcenter.ieee.org/become-an-ieee-conference-author.
• **Proceedings and Special Issues:** The proceedings of this workshop will be published in either one of two special issues, as listed below, or the IEEE ISTAS23 conference proceedings:
  o *IEEE Transactions on Technology and Society (TTS):* https://technologyandsociety.org/transactions/
• **Review Process:** During the review process, we will be employing a Journal First-Conference Second (J1C2) approach, which will involve accepted papers being reviewed for eligibility in one of the two specials issues first (i.e., J1). Accepted papers that are not eligible for either of the special issues, will appear in the IEEE ISTAS23 conference proceedings (i.e., C2) on IEEE Xplore.
• **Easychair:** Manuscripts are to be submitted using the IEEE ISTAS23 Easychair portal: https://easychair.org/conferences/?conf=istas23.
• **Presentation:** All accepted papers are to be presented at the virtual workshop, irrespective of whether they will be published in the special issues or the conference proceedings.

Dates
• **Full Paper Submission:** 30 April 2023
• **Notification of Acceptance:** 31 May 2023
• **Final Camera-Ready Copy***: 15 August 2023
• **Virtual Presentation:** 12 September 2023

*Papers accepted into a special issue may have different requirements, which will be communicated to authors*
References


