

**THE 12TH INTERNATIONAL DEVELOPMENT INFORMATICS
ASSOCIATION CONFERENCE**

<https://idia2022.com/>

**Mbombela, South Africa
November 22-25, 2022**

CALL FOR PAPERS

Conference theme:

**‘Digital-for-development’: Enabling transformation, inclusion and
sustainability through ICTs**

IMPORTANT DATES

Main conference	24-25 November 2022
Full Papers Submission Deadline:	30 August 2022
Notification to Authors:	15 September 2022
Deadline for final (Camera-Ready) papers:	31 October 2022
Workshops	22 November 2022
Workshop proposals submission deadline:	31 July 2022
Notification to presenters:	30 September 2022
Masters & Doctoral Symposium	23 November 2022
Abstract submission deadline:	30 September 2022
Notification to participants:	31 October 2022
Final (camera ready) papers and posters:	22 November 2022

CONFERENCE VENUE

University of Mpumalanga, Mbombela, South Africa

DESCRIPTION

Heeks (2020) has argued that there is an emerging paradigm in the ICT4D landscape, termed the 'digital-for-development' paradigm. This paradigm marks the transition from ICT4D 2.0, where ICTs were often considered as one of the tools that enable development, to ICT4D 3.0, where ICTs are significantly being used as "platforms that mediate development" (Heeks 2020, 12). This new paradigm is partly fuelled by industry 4.0 technologies and the quest to attain the United Nations' Sustainable Development Goals (SDGs).

Datafication, digitalisation and virtualization are seen as the emerging "roles" played by ICTs in relation to development in the new paradigm (Heeks, 2020: 8). Heeks (2020) proposes that the implications of this new paradigm need to be investigated in the context of the three tenets of development: transformation, inclusion and sustainability (Heeks 2020: 10).

In 2016, the United Nations Foundation's Digital Impact Alliance (<https://digitalprinciples.org/>) endorsed nine principles for Digital Development (<https://digitalprinciples.org/>). These are: 1. design with the user, 2. understand the existing ecosystem, 3. design for scale, 4. build for sustainability, 5. be data-driven, 6. use Open Standards, open data, open-source, and open innovation, 7. reuse and improve, 8. address Privacy & Security, 9. be collaborative. From a general perspective, these nine principles can enable ICT-led transformation, inclusion and sustainability.

Heeks (2020) further purported that the emergence of the new paradigm has engendered two patterns towards development: competition and cooperation. The former is often exemplified by the competitive nature of digital technologies in developing countries, while the latter is cited as the opportunity afforded by the 'digital-for-development' paradigm. He further suggested that the effects of the new paradigm on the two patterns need to be investigated.

The current COVID 19 pandemic has led to a sudden shift to online platforms to manage the restrictions imposed by the pandemic. In this case, ICTs are increasingly being used as platforms for virtual collaboration, service delivery and business continuity, to name a few. However, although anecdotal, this sudden shift has exposed the lack of readiness to embrace service delivery facilitated by ICTs, especially in resource-limited countries. This could suggest that although many ICT-led innovative practices have been introduced, only those who can afford to connect to these platforms benefited from them. This then questions the extent to which these platforms enable transformation if they are not inclusive.

This further poses crucial questions about the paradigm shift in ICT4D described above: How can ICTs be used as 'platforms that mediate development' through a transformation that is inclusive and fosters sustainability? What evidence do we have that the new paradigm shift in ICT4D 'digital for development' can indeed be transformational, inclusive and bring about sustainable development? What are the relationships among the actors in the 'digital for development' ecosystems? How can we theorise 'digital for development' in the context of the three tenets: transformation, inclusion and sustainability?

The 12th International Development Informatics Association (IDIA) conference provides a platform for scholars, academics and IT practitioners to discuss new developments in the context of the paradigm shift from ICT4D to 'digital-for-development'.

CALL FOR FULL PAPERS

Participants are invited to submit full papers in the following, but not limited to, thematic areas:

- eHealth for transformation, inclusion and sustainability
- Security, Application and Architectures of Internet of Things
- Competitive and cooperative logic in digital-for-development
- Human-Computer Interaction (HCI) for digital inclusion
- Artificial Intelligence (AI) for good
- Emerging technologies for transformation, inclusion and sustainable development
- Privacy and Security in digital-for-development ecosystems
- Data-driven sustainable development
- Trusted data sharing in digital-for-development ecosystems
- Theories and practices in digital-for-development ecosystems

Full Papers will be evaluated according to their novel research contribution, methodological soundness, theoretical framing and reference to related work, quality of analysis, and quality of writing and presentation. Authors are encouraged to address the diversity of approaches in their research by providing context, implications, and actionable guidance to researchers and practitioners beyond their primary domains.

The submission link is <https://easychair.org/conferences/?conf=idia2022>

Paper requirements

We will only review and accept full papers (12 to 15 pages) formatted according to Springer's onecolumn page format. Only papers formatted in MS Word according to the Springer template (see <https://www.springer.com/gp/computer-science/lncs/conference-proceedingsguidelines>) will be reviewed. Full papers will undergo a double-blind peer review by at least three reviewers. Selected papers will be submitted for publication in a Springer Communications in Computer and Information Science (CCIS) volume. The rest will be published in conference proceedings with an ISBN. CCIS is abstracted/indexed in DBLP, Google Scholar, EICompindex, Mathematical Reviews, SCImago, and Scopus. CCIS volumes are also submitted for inclusion in ISI Proceedings. Previous years' conference proceedings have been published in Springer CCIS volumes.

Springer requires authors to include their ORCIDs when they submit their papers. For more details, see <https://www.springer.com/gp/authorseditors/orcid> and

<https://www.springer.com/gp/computer-science/lncs/orcid-for-your-proceedingspaper/12272740>.

Only original, unpublished research papers in English can be considered. Submissions that are not in the prescribed Springer template format, not related to the conference theme, and/or not meeting a minimum standard of academic research writing may be rejected without full review.

At least one author from each submission (once accepted after reviews) must register and pay the registration fee to IDIA2022 for the submission to be included in the conference publications.

Important quick links:

- For MS Word paper templates and referencing guidelines: <https://www.springer.com/gp/authors-editors/conference-proceedings/conference-proceedings-guidelines>. Do NOT submit papers formatted in LaTeX!
- Springer Guidelines for Authors of Proceedings: ftp://ftp.springernature.com/csproceeding/svproc/guidelines/Springer_Guidelines_for_Authors_of_Proceedings.pdf
- Information on registering for an ORCID: <https://www.springer.com/gp/authorseditors/orcid> and <https://www.springer.com/gp/computer-science/lncs/orcid-for-your-proceedingspaper/12272740>
- Author copyright forms: https://resourcecms.springer.com/springercms/rest/v1/content/15427072/data/Contract_Book_Contributor_Consent_to_Publish_CCIS_SIP. This form has to be signed by the authors of each paper, at least by the corresponding author and collected electronically together with the final version of the paper once the form has been accepted for publication.

CALL FOR WORKSHOPS

Workshops date: 22 November 2022

Each workshop proposal (maximum five pages) must include:

1. Title of the workshop
2. Description of the issues covered, emphasising the timeliness of the proposed workshop
3. Workshop organisers (names, affiliation and contact information)
4. A short biography of the organisers (up to 200 words)
5. Planned format of the workshop, including the duration of the workshop: Half-day, Fullday and tentative schedule

6. Proposed fee

Please email your proposal to: Sinazo.Matyila@ump.ac.za by 30 September 2022.

CALL FOR POSTGRADUATE SYMPOSIUM Postgraduate Symposium date: 23 November 2022

The postgraduate symposium will provide a platform for postgraduate students to engage in research exchanges and conversations with academics and fellow students. Students will have the opportunity to showcase their research in any of the following forms:

- **Poster Presentations • 10-minute Oral Presentations**

Please submit through email an abstract (Maximum 350 words) of your poster or oral presentation to Dr Rehana Minty (rehanam@uj.ac.za) and Dr Blessings Maoneke (Blessings.Maoneke@ump.ac.za) by 30 September 2022.

ORGANIZING COMMITTEE

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Should you have any questions/queries regarding the conference, please email Dr Patrick Ndayizigamiye (ndayizigamiyep@uj.ac.za)

REFERENCES

Heeks R. ICT4D 3.0? Part 1—The components of an emerging “digital-for-development” paradigm. *Electronic Journal of Information Systems in Developing Countries*. 2020, 86: e12124. <https://doi.org/10.1002/isd2.12124>.

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Principles of digital development. <https://digitalprinciples.org/> (last accessed 30/01/2022).