
MAY 25 • TUESDAY

09:00 – 21:00

IFIP 9.4 Virtual PhD Day

K Keynote **P** Panel **R** Paper session **L** Plenary **W** Workshop

MAY 26 • WEDNESDAY

09:00 – 09:30

L Welcome Address

Speakers: Silvia Masiero, Petter Nielsen, Robert Davison

Passcode: 384559

Zoom link: <https://uio.zoom.us/j/62800796713>

(NB, there are unique passcodes and links for the different plenary sessions)

09:30 – 10:30

K Keynote: 'Everyday Resilience' in Primary Healthcare

Speakers: Shirin Madon

Passcode: 384559

Zoom link: <https://uio.zoom.us/j/62800796713>

(NB, there are unique passcodes and links for the different plenary sessions)

Resilience has emerged as a major policy narrative in development and humanitarian aid over the past decade with much theorising around the concept in relation to key development goals such as poverty alleviation, agriculture, disaster mitigation, climate change adaptation and health - the focus of this talk.

At a systems level, resilience has been conceptualised in terms of its absorptive, adaptive and transformative capacity which has formed the basis for frameworks and technology solutions such as m-health applications as part of health systems strengthening. More recently in the aftermath of Ebola, attention has focused on conceptualising resilience at the level of practice both between and during crises with the coining of the term 'everyday resilience'. I use this lens to draw lessons from 8 years of field research in rural Karnataka, India where we have been studying the emergence and evolution of village health committees that were established by the government for promoting intersectoral collaboration in primary healthcare. Our findings show 3 main ways through which everyday resilience is characterised in practice (i) the articulation of voice amongst low-income sections of the village community; (ii) leadership amongst village bodies, and (iii) the enactment of integrative functions by multiple stakeholders. A major implication from our study is the need for governments to support capacity-building for achieving everyday resilience in primary healthcare.

10:30 – 11:00

Break

11:00 – 12:30

R Paper session 1

Track 1: ICTs and Resilience-Building: Climate Change, Pandemics, and Other Stressors

Track chairs: Sifiso Dlamini, Richard Heeks, Mario Marais, Angelica Ospina and P.J. Wall

Digital Resilience and the Continuance use of Mobile Payment Services

Muftawu Dzang Alhassan and Martin Butler

Describing Emergency Remote Teaching using a Learning Management System: A South African COVID-19 Study of Resilience through ICT

Ammar Canani and Lisa F. Seymour

Network Weaving to Foster Resilience and Sustainability in ICT4D

Mario Marais and Sara Vannini

Towards an Integrated Knowledge Management and Information and Communication Technology Framework for Improving Disaster Response in a Developing Country Context

Teurai Matekenya and Ephias Ruhode

11:00 – 12:30

R Paper session 2

Track 14: General track

Track chairs: Petter Nielsen, Johan Ivar Sæbø and Terje Aksel Sanner

The Moderating Effect of Gender on Adopting Digital Government Innovations in Ethiopia
Debas Senshaw and Hossana Twinomurizi

From Digital Divide to Digital Justice in the Global South: Conceptualising Adverse Digital Incorporation
Richard Heeks

The Commodification of Open Educational Resources for Teaching and Learning by Academics in an Open Distance e-Learning Institution
Lancelord Siphamandla Mncube, Marueen Tanner and Wallace Chigona

Big Data Analytics in Humanitarian and Disaster Operations: A Systematic Review
Abhilash Kondraganti

11:00 – 12:30

R Paper session 3

Track 12: Digitalization for Indigenous Emancipation

Pitso Tsibolane, Wallace Chigona and Karen Sowon

"Sharing Wisdoms from the East": Developing a Native Theory of ICT4D Using Grounded Theory Methodology (GTM)
- Experience from Timor-Leste
Abel Pires da Silva

Towards a Resilient Information System for Agriculture Extension Information Service: An Exploratory Study
Muluneh Atinaf, Alemayehu Molla and Salehu Anteneh

Appropriation, Coloniality, and Digital Technologies. Observations from Within an African Place
Gertjan van Stam

The ICT-Buen Vivir Paradox: Using Digital Tools to Defend Indigenous Cultures
Lorena Pérez-García

12:30 – 13:00

Break

13:00 – 14:30

P Panel: Open Data Governance in the Global South: Lessons Learned and Future

Speakers: Fabrizio Scrollini, Carla Bonina, Flor Serale, Veronica Cretu

Passcode: 722317

Zoom link: <https://uio.zoom.us/j/65624841416>

Abstract: Data access, use and availability has become an essential feature of the digital economy that bears an enormous potential to contribute to sustainable development. The open data agenda and its implementation in the Global South, although with unequal pace and diverse strategies, have made progress but have also recently stagnated. Despite the expectation to contribute to development goals, such as economic growth, social inclusion, and access to public services such as healthcare, after a decade of open data initiatives few of these benefits have been materialized. Part of the problem, the evidence suggests, is related to governance aspects. This is our main motivation to put this panel together. The aim is to understand key lessons learned, as well as to debate how to move to a brighter future as well as to develop better measurement tools.

In this panel, we focus on complementary perspectives on the governance of open data. First, we are interested in those policies that are in place to enable a trustworthy, valuable and healthy open data ecosystem (*Cretu and Scrollini*). Questions we would ask the panellist to cover include: what countries have the foundations in place for responsible and effective data collection and use? How do open data policies operate among other data policy frameworks? What can we learn from recent survey exercises such as the Latin American Edition of the Open Data Barometer? A second governance perspective comes from a platform perspective (*Bonina*). Here, we will discuss how diverse tools and rules can be deployed from an open data platform owner, to cultivate an ecosystem of data publishers, data re-users and innovators in the global South. A third governance angle (*Serale*) relates to managing key stakeholders, their responsibilities, practices, and collaborations in the administration of open data. This third perspective will cover diverse tools to help organizations to work around data access initiatives, from lessons learned at a global scale. Finally, we will aim to reflect on emerging methodologies to capture the complexity of the governance dimensions in data ecosystems at a national and global level.

Format of the panel: The panellist will share concrete research projects and lessons learned from opportunities and challenges of diverse aspects of governance of open data in the Global South. The second part will follow with a round table where panellists will discuss the present and future of the theme with questions from the audience. Overall, the objective of the session is to develop a constructive debate around lessons learned and prospects for the future.

14:30 – 15:00

Break

15:00 – 16:30

P Panel: Digital Labour in the Global South

Speakers: Pitso Tsibolane, Macarena Bonhomme, María Belén Albornoz, Treviliana E. Putri

Passcode: 899380

Zoom link: <https://uio.zoom.us/j/61158928629>

The unprecedented economic crisis resulting from the COVID-19 pandemic, the global lockdown, the social distance restrictions, and the sanitary risk have created a breeding ground for an accelerated and unregulated expansion of digital platforms. These new forms of production organization and work management bring opportunities for growth and profit, but also new forms of value extraction and exploitation.

This panel investigates the experiences from the Global South, looking at how workers strive against the day to day exploitation and discrimination.

This panel aims to explore the effects of the widespread use of online platforms, algorithm management and other related technologies, and organizational methods in improving or worsening working conditions; and we are also looking for best-practice experiences oriented to the amelioration of working conditions based on fair work principles.

16:30 – 16:45

Break

16:45 – 18:15

R **Paper session 4**

Track 2: Digital Platforms in, from and in-between the Global South and North

Kari Koskinen, Aleksi Aaltonen and Silvia Masiero

A Resilient ICT4D Approach to ECO Countries' Education Response during COVID-19 Pandemic

Azadeh Akbari

Students' Engagement in Anonymous Peer Review: Using the Open-Source Sakai Platform

Fazlyn Petersen and Bradley Groenewald

Access to Digital Platforms: Can 'Mobile' Network Coverage Reports be Relied Upon? Observations from Rural Zambia and Zimbabwe

Gertjan van Stam

Designing Mobile Health for User Management: The Importance of Socio-Technical Approach

Tochukwu Ikwunne, Lucy Hederman and P.J. Wall

16:45 – 18:15

R **Paper session 5**

Track 14: General track

Track chairs: Petter Nielsen, Johan Ivar Sævbø and Terje Aksel Sanner

Framework for Managing Cybercrime Risks in Nigerian Universities

Bukhari Badamasi and Samuel C. Avemaria Utulu

Global Transfers: M-Pesa, Intellectual Property Rights and Digital Innovation

Christopher Foster

Conceptualising Healthcare-Seeking as an Activity to Explain Technology Use: A Case of M-health

Karen Sowon and Wallace Chigona

Sustainable Development Through a Mobile Application for a Community Clinic

Martina A. Clarke, Sajda Qureshi, Timi Barone and John R. Windle

16:45 – 18:15

R **Paper session 6**

Track 11: Potential and risks of advanced technologies in the Global South

Track chairs: Deepak Saxena, P. J. Wall and Suzana Brown

Communication is the Universal Solvent: Atreya Bot - An Interactive Bot for Chemical Scientists

Mahak Sharma, Abhishek Kaushik, Rajesh Kumar, Sushant Kumar Rai, Harshada Hanumant Desai and Sargam Yadav

Artificial Intelligence Ethics: An Inclusive Global Discourse?

Cathy Roche, Dave Lewis and P.J. Wall

Smart Cities: Potentialities and Challenges in a Context of Sharing Economy

Ben Hur Monteiro Barizon and Renata Lèbre La Rovere

Factors that Determine Continuous Intention to Use Mobile Payments in Malawi

Jones Ntaukira, Priscilla Maliwichi and James Kamwachale Khomba

18:15 – 18:30

Break

18:30 – 19:00

W ITD Special Issue Workshop: Understanding Local Social Processes in ICT4D Research

Speakers: Antonio Diaz Andrade, Kirstin Krauss, Efraxia Zamani

Passcode: 338283

Zoom link: <https://uio.zoom.us/j/62454676474>

The 1990s debates about the role the Internet played on different human development dimensions gave rise to the Information and Communication Technologies for Development (ICT4D) field. Existing research shows that digital technology can make a difference in people's lives. ICT has the potential to empower marginalized individuals and groups, supporting social inclusion (Baron & Gomez, 2013; Díaz Andrade & Doolin, 2016) and financial inclusion (Diniz, Bailey & Sholler, 2014; Joia & dos Santos, 2019). It also allows them to participate in mainstream socio-economic activities (Mthoko & Pade-Khene, 2013; Armenta et al., 2013; Krauss, 2013). These positive outcomes may result in the perception that digital technology is the 'cure-all' for diverse societal problems. However, development is not a straightforward issue that can be solved simply by introducing digital technology (Lwoga & Sangeda, 2018). ICT4D is about the local interpretations of development and understanding of local processes involved in delivering development (Unwin, 2009).

In this special issue, we would like to draw attention to the social processes in which ICT4D research projects occur. Presently, most ICT4D studies occur in developing countries in the Global South and many focus on describing ICT4D interventions. However, most of those studies draw from theories developed and applied in the Global North, such as institutional theory (Bass, Nicholson, & Subramanian, 2013) or technology acceptance (Thomas, Li, & Oliveira, 2017), among others. While drawing upon such theories can, of course, help us understand emerging phenomena, context cannot be ignored (Andoh-Baidoo, 2017; Davison & Martinsons, 2016). ICT4D research requires deliberate attention to the conditions in the field. Equally critical in ICT4D analyses is the choice and application of theories, whether deductively (to guide the investigation) or inductively (to discuss the findings). Both discerning contextual conditions and careful consideration of theory are conducive to understand the local meaning of development.

19:00 – 20:00

Zoom Pub/Arms

Speakers: Brian Nicholson, Silvia Masiero

Passcode: 286318

Zoom link: <https://uio.zoom.us/j/65897430355>

K Keynote **P** Panel **R** Paper session **L** Plenary **W** Workshop

MAY 27 • THURSDAY

12:00 – 12:45

R Paper session 7

Track 5: Our Digital Lives (IFIP 9.5 Track)

Track chairs: Petros Chamakiotis, Brad McKenna and Kathrin Bednar

Factors Enhancing E-Government Service Gaps in a Developing Country Context
Gilbert Mahlangu and Ephias Ruhode

Investigating Personalisation-Privacy Paradox among Young Irish Consumers: A Case of Smart Speakers
Caoimhe O'Maonaigh and Deepak Saxena

12:00 – 12:45

R Paper session 8

Track 2: Digital Platforms in, from and in-between the Global South and North

Kari Koskinen, Aleksi Aaltonen and Silvia Masiero

Understanding the Interplay Between Boundary Resources and Governance Practices in Influencing Ecosystem Value Co-Creation for Digital Platforms: A Case From the Global South
Elijah Chirwa, Pamela Abbot and Jonathan Foster

Boundary Spanning and the Support of Digital Entrepreneurs: A Case Study of Bahrain
Noora H. Alghatam

12:00 – 12:45

R Paper session 9

Track 14: General track

Track chairs: Petter Nielsen, Johan Ivar Sæbø and Terje Aksel Sanner

Impact of Culture on the Adoption of Diabetes Self-Management Applications: Cape Flats, South Africa
Fazlyn Petersen

Digitalising the Water Sector: Implications for Water Service Management and Governance
Godfred Amankwaa, Richard Heeks and Alison L. Browne

12:45 – 13:00

Break

13:00 – 14:00

W MISQ Special Issue on Social Justice

Speakers: Andrew Burton-Jones, Margunn Aanestad, Min-Seok Pang

Passcode: 742274

Zoom link: <https://uio.zoom.us/j/62367721386>

14:00 – 14:15

Break

14:15 – 15:45

R Paper session 10

Track 1: ICTs and Resilience-Building: Climate Change, Pandemics, and Other Stressors

Track chairs: Sifiso Dlamini, Richard Heeks, Mario Marais, Angelica Ospina and P.J. Wall

Digital Resilience to COVID-19: A Model for National Digital Health Systems to Bounce Forward From the Shock of a Global Pandemic
Scott Russpatrick, Johan Sæbø, Eric Monteiro, Brian Nicholson and Terje Sanner

A Climate Change Vulnerability Assessment Framework: A Spatial Approach
Claudia Cáceres, Yan Li and Brian Hilton

Earth Observation and the New African Rural Datascape: Defining an Agenda for Critical Research
Rose Pritchard, Wilhelm Kiwango and Andy Challinor

14:15 – 15:45

R Paper session 11

Track 2: Digital Platforms in, from and in-between the Global South and North

Kari Koskinen, Aleksi Aaltonen and Silvia Masiero

Gendering of Smartphone Ownership and Autonomy among Youth: Narratives from Rural India

Renza Iqbal

Improving Data Use and Participatory Action and Design to Support Data Use: The case of DHIS2 in Rwanda

Magnus Li, Scott Russpatrick, Jørn Braa, Andrew Muhire, Adolphe Kamungunga, Kai Vandivier, Silvia Masiero, Alexander Bruland, Peichun Wu, Peter Biro, Mikael Olsen Rodvelt and Stian Rustad

Role of Digital Platforms in Entrepreneurial Processes: A Resource Enabling Perspective of Startups in Pakistan

Hareem Nassar and Fareesa Malik

E-commerce for Rural Micro-Entrepreneurs: Mapping Restrictions, Ecologies of Use and Trends for Development

Aditi Bhatia-Kalluri

14:15 – 15:45

R Paper session 12

Track 8: Displacements, ICTs, and #NewNormal

Track chairs: Suzana Brown, Faheem Hussain and Mette Von Deden

Key Lessons Learned from Working During Covid-19 on a Project in the World's Biggest Refugee Camp

Faheem Hussain and Suzana Brown

The Liberalities and Tyrannies of ICTs for Vulnerable Migrants: The Status Quo, Gaps and Directions

Yidnekachew Redda Haile

Information Sources and Anxiety among Refugees in Kenya during COVID-19

Matthew A. McGee, Carleen Maitland and Dorothy Njoroge

Track 14: General track

Track chairs: Petter Nielsen, Johan Ivar Sæbø and Terje Aksel Sanner

ICT Use and Livelihoods of Women Microenterprises in Malawi

Donald Flywell Malanga and Memory Banda

15:45 – 17:30

P Panel: Deconstructing Notions of Resilience

Speakers: Richard Heeks, Sundeep Sahay, Mihoko Sakurai, Jeni Rajbamshi, Maung Kyaw Sein, Angelica V. Ospina, Arunima Mukherjee

Passcode: 027877

Zoom link: <https://uio.zoom.us/j/65240977882>

Introduction

The image 'resilience' conveys an image of tightly knit, mutually supportive communities sharing diverse assets and are consequently able to recover quickly from shocks or conflict. Many people in Nepal, Japan, Indonesia, Bangladesh, Uganda, Liberia, Sierra Leone, Venezuela, Columbia and more who survive war, floods or famine have been described as being resilient. But what does this mean? and, what implications does that have for the research and practice of ICT4D?

Resilience has been attributed a variety of diverse and often conflicting meanings. Does resilience imply that lives rapidly return to normality once the crisis is over, or that their customs and cultural practices persist following extreme shocks? Is it a feature of individuals or communities or societies and cultures? Is resilience what humanitarian-development processes in practice work with and to advance, or what they work against? (Allen, 2020). Should we treat resilience as a noun (the state of being), or an adjective (the attributes of a state) or a verb, signifying it is an ongoing work in progress? Whatever is our frame of conceptualization, they have implications on ICT4D, which this panel seeks to deconstruct.

All these conceptualisations vary with the different levels of analysis from the individuals, to communities, to countries, and societies. And more popularly resilience is discussed in terms attributes:

Table of resilience terms and overlapping terminology/proxies used in policy (Roberts, et al.,2016)

Resilience term

Encompassing or overlapping themes

Proxies in policy Documents

Self-organising/ mobilising Agency, efficacy, pro-active, responsibility, collective capacity 'empower' 'enable' 'engage' 'responsibilisation' 'participation' 'widen choice' 'partnerships' 'independently' 'local development' Social Capital Networks; connectedness; support structures; cohesive; inclusion 'exclusion' 'cohesion' 'participation' 'connectedness' 'networked' 'reduce isolation' Social learning Social memory; Social capital; peer learning 'Life-long learning' 'Developing knowledge base' 'Knowledge transfer' 'informal learning' 'social innovation' 'digital champions' 'partnerships' 'community based learning' Capacity Resources; resourcefulness; stocks; assets; capitals (social, economic, environmental); Skills 'Ability' 'Confidence' 'Competitiveness' 'resource efficient' 'capacity building' Multi-scalar Interacting scales; resilience pathways; lock-in; outwards-facing communities Facilitate 'encourage' 'support' 'Promote' 'Outwards-facing communities' 'links between urban and rural' 'city regions' 'providing incentives' 'stimulate the market' 'scale up' Adaptation Adaptability; Adaptive capacity; diversification Sustainable management 'Innovation' 'social and cultural resistance to change' 'transformation' 'transition' 'greener' Facilitating diversification Health Well-being; Quality of life; Mobility eHealth 'self-care' 'independent living' 'Access to health services/Accessibility'

The discussions provide learnings for us to be able to effectively de-construct what resilience means for us, as ICT4D researchers. It can be both, focusing on the object system (the technology) or the target system (domain of use – health, education, agriculture, climate etc), and/or the relation between the two.

Panel Structure

The panel starts with a short summary of topic, interconnected concepts and different conceptualisations of resilience. This will set the stage for next 90-minutes of discussions and reflections. The following debates will be covered.

Resilience of what?

Social–ecological resilience is about people and nature as interdependent systems. The term originates in ecology reflecting the ability of complex natural systems to absorb changes and still persist, representing a form of buffer capacity (Adger, 2000). Folke et al (2010), discuss resilience as a capability of the complex social–ecological systems (SES) to continually change and adapt yet remain within critical thresholds. In the global development agenda related to e.g. climate change, ecology and poverty, resilience is understood as including substantial changes in social systems, institutions and policies. Furthermore, resilience and vulnerability are related conceptually, but one is not the opposite of the other, yet many miss the nuanced differences between the two. Is the term 'resilience' made popular by the development aid to hide the institutional failures due to which vulnerabilities which people face; putting the onus back on ordinary citizen 'by being resilient'?

Within the ICT4D domain, the resilience of what is a fundamental question, and whether the focus is on the resilience of the ICT or the domain of use, or the mutual relation between these two. This questions have implications both on our notions of determinism – technological versus social – and also related to how the materiality of both the technology and the domain is appropriately theorized.

Resilience for whom?

The broader literature on resilience reflects a tension between static outcomes and dynamic processes. The engineering and infrastructure studies, view resilience as bouncing back to the same state or condition (static). However, the social connotation of resilience stems from a human-centred perspective of enhancing capacity in various systems, as dynamic process. As ICT4D researchers, we are interested in both, how these static conditions and dynamic processes affect places, especially where inequalities in the physical, social, economic and political contexts constrain the range of opportunities to function, learn and transform (Manyena 2014). So, how much and what aspect of resilience is a social construction, based on three key elements of assets, social capital and perceptions (Béné et al., 2016). Critical research in development studies argue that resilience is feel good factor promoted by the international aid community, to legitimize and promote their own agendas.

Béné et al, (2016) further suggest that perceptions of risk and vulnerability, as well as knowledge and experience are important factors in determining whether and how responses take place at the individual, community and societal levels. Research in Norway, for example, shows that well-developed disaster compensation funds have contributed to a perception that the government will cover the costs of extraordinary climate events. As a consequence, little if any action is undertaken by households. In a less developed country context, in Bangladesh, field data showed that, once households lost their house and assets following a severe river erosion or flood event, they chose either to stay and rebuild their lives (i.e. to resist) or to migrate to Dhaka (i.e. to give up), and that this decision partially depended on their level of self-confidence and the perception they had of their own ability to restore their livelihood. In these circumstances, it becomes as important to understand people's perceptions about a particular event, as it is to assess the actual objective impacts of that particular event.

What does then resilience apply for ICT4D researchers. Does it become a rallying slogan to introduce more modern technologies on the promise of increased resilience or does it provide a basis to be more sensitive to the needs and the particularities of the domain and context of application?

How to theorize the relation between ICTs and development?

ICT4D researchers have for long being preoccupied with concerns of sustainability, scalability, institutionalization and local social embedding. These terms in different ways also include resilience thinking in their understanding. For ex...

17:15 – 17:45

Break

17:45 – 18:45

K Keynote: Pandemics within the Pandemic: Confronting Socio-economic Inequities in a Datafied World

Speakers: Sajda Qureshi

Passcode: 789113

Zoom link: <https://uio.zoom.us/j/66457079379>

Access Sajda Qureshi's editorial here: <https://www.tandfonline.com/doi/full/10.1080/02681102.2021.1911020>

The pandemic has brought to light and exacerbated inequities that have plagued the world even before COVID-19 spread. Despite its medical and technological advances, much of the western world was unprepared for what its people faced. With a death toll and mortality rates unseen in modern times, the datafied world amidst some populist regimes witnessed additional pandemics within the pandemic of raging infections. In the changing world broadband internet access is becoming more essential to enabling people to lead their lives while locked-down and/or in quarantine. People become accustomed to accessing healthcare information, resources and providers through mobile and or other devices for their COVID 19 information, while tracking and tracing is being carried out using mobile applications. Those at the margins become vulnerable to digital biopolitics or efforts by governments and corporations to maximize knowledge and control of populations using digital means for political and economic power. In this the datafied society, increased data surveillance offered cause for activism and fight for human rights and freedoms. This also referred to as the datafied pandemic in which life revolves on the internet more than ever through access to tools, basic services, and social environments. Within these digital divides, the forces of globalization forge ahead with perils and promises. These issues are explored in this editorial and ways of tackling the pandemics offered in the light of papers in this issue. ICT4D research offers ways in which we may together create a better world for all.

Link to the paper here: <https://www.tandfonline.com/doi/full/10.1080/02681102.2021.1911020>

18:45 – 19:00

Break

19:00 – 20:30

R Paper session 13

Track 2: Digital Platforms in, from and in-between the Global South and North

Track chairs: Kari Koskinen, Aleksi Aaltonen and Silvia Masiero

Transcending Old Boundaries: Digital Afterlife in the Age of COVID-19

Mashiat Mostafa and Faheem Hussain

The Decision Criteria Used by Large Enterprises in South Africa for the Adoption of Cloud Computing

Tseriwa Bakasa and Ayanda Pekane

Reflections, Learnings and Proposed Interventions on Data Validation and Data Use for Action in Health: A Case of Mozambique

Nilza Collinson, Zeferino Saugene, Jørn Braa, Sundeep Sahay and Emilio Mosse

Cloud Computing Adoption: Opportunities and Challenges for Small, Medium and Micro Enterprises in South Africa

Simphiwe S. Sithole and Ephias Ruhode

19:00 – 20:30

R Paper session 14

Track 10: The Role of ICT in Achieving Social Justice (ICT4SJ)

Track chairs: Wallace Chigona and Hossana Twinomurinzi

eHealth Technologies Integration with Healthcare Work Activities in Public Hospitals: A Critical Realist Perspective

Mourine Achieng and Ephias Ruhode

Power Participation in Digital Citizen Engagement in South African Local Government: The Case of MOBISAM

Caroline Khene, Ingrid Siebörger, Mamello Thinyane and Clement Simuja

Survey of Cyber Violence Against Women in Malawi

Donald Flywell Malanga

Track 14: General track

Track chairs: Petter Nielsen, Johan Ivar Sæbø and Terje Aksel Sanner

Digital Global Public Goods

Johan Ivar Sæbø, Brian Nicholson, Sundeep Sahay and Petter Nielsen

19:00 – 20:30

R Paper session 15

Track 7: Feminist and Queer Approaches to Information Systems in Developing Countries

Track chairs: Sara Vannini, Charmaine Wellington, Ayushi Tandon, Kristin Braa and Silvia Masiero

Assessing Gender Bias in the Information Systems field: An Analysis of the Impact on Citations

Silvia Masiero and Aleksii Aaltonen

Women's Solidarity and Social Media: Sisterhood Concept in #LasRespononas, a Facebook Group in Peru

Juan Bossio and Illari Diez

Track 6: Digital Social Enterprises & COVID-19: Enablers, Sustainability & Pathways

Track chairs: Endrit Kromidha and Vigneswara Ilavarasan

Exploring Multi-Dimensional Events Characterizing Tech Start-Up Emergence in the Nigerian Entrepreneurial Ecosystem

Emanuel Okoro Ajah and Chidi Ononiwu

An Exploration of Factors Influencing the Adoption of ICT Enabled Entrepreneurship Applications in Namibian Rural Communities

Elizabeth Ujarura Kamutuezu, Heike Winschiers-Theophilus and Anicia Peters

20:30 – 20:45

Break

20:45 – 21:00

L Introducing IFIP 9.4 Lima 2022: Freedom and Social Inclusion in a Connected World

Speakers: Martin Santana, Antonio Diaz Andrade, Yingqin Zheng, Jose-Antonio Robles-Flores

Passcode: 158151

Zoom link: <https://uio.zoom.us/j/62184436247>

21:00 – 22:30

W Special Issue Workshop on Digital Transformation in Latin America (ISJ/EJISDC)

Speakers: Guillermo Rodriguez Abitia, Luiz Joia, Alexandre Graeml, Sutirtha Chatterjee

Passcode: 158151

Zoom link: <https://uio.zoom.us/j/62184436247>

The ISJ and the EJISDC have placed a call for a special issue on the challenges of opportunities of digital transformation in Latin America. Submissions are open until October 31st, but potential authors are invited to come talk with the editors about their papers or ideas in this workshop. Those who sent extended abstracts to the editors will receive preliminary feedback. Others are welcome to join, as there is still plenty of time to work on papers for the special issues.

K Keynote **P** Panel **R** Paper session **L** Plenary

MAY 28 • FRIDAY

07:00 – 08:30

R Paper session 16

Track 14: General track

Track chairs: Petter Nielsen, Johan Ivar Sæbø and Terje Aksel Sanner

Patterns of ICT Usage in Disaster in Samoa

Ioana Chan Mow, Agnes Wong Soon, Elisapeta Maua'i and Ainsley Anesone

Building Agility in COVID-19 Information Systems Response in Sri Lanka: Recommendations for Practice

Pamod Amarakoon, Jørn Braa and Sundeep Sahay

Holistically Placing the ICT Artefact in Capability Approach

Mathew Masinde Egessa and Samuel Liyala

Legitimization of Data Quality Practices in Health Management Information Systems Using DHIS2. Case of Malawi

Martin Bright Msendma, Wallace Chigona, Benjamin Kumwenda, Jens Kaasbøll and Chipso Kanjo

07:00 – 08:30

R Paper session 17

Track 3: Data Science in Public Health: Potential and Challenges

Track chair: Biju Soman

A Systematic Approach to Cleaning Routine Health Surveillance Datasets: An Illustration Using National Vector Borne Disease Control Programme Data of Punjab, India

Gurpreet Singh, Biju Soman and Arun Mitra

Connecting the Dots in Nutritional Rehabilitation: A Qualitative Study on ICT and Community Based Care

Deepa Austin and Amit Prakash

An Interactive Dashboard for Real-Time Analytics and Monitoring of COVID-19 Outbreak in India: A Proof of Concept

Arun Mitra, Biju Soman and Gurpreet Singh

Mapping of Covid-19 Risk Factors of Cities and Regencies in Indonesia during the Initial Stages of the Pandemic

Setia Pramana, Achmad Fauzi Bagus Firmansyah and Mieke Nurmalasari

07:00 – 08:30

R Paper session 18

Track 7: Feminist and Queer Approaches to Information Systems in Developing Countries

Track chairs: Sara Vannini, Charmaine Wellington, Ayushi Tandon, Kristin Braa and Silvia Masiero

M-Government, Wilaya and Women's Empowerment in the Kingdom of Saudi Arabia

Norah Humus Alotaibi, Salihu Desuki and Efraxia Zamani

The Ethical Implications of Digital Contact Tracing for LGBTQIA+ Communities

Izak van Zyl and Nyx McLean

For Better or for Worse? A Framework for Critical Analysis of ICT4D for Women

Abhipsa Pal and Rahul De'

Gender Data 4 Girls?: A Postcolonial Feminist Participatory Study in Bangladesh

Isobel Talks

08:30 – 08:45

Break

08:45 – 10:15

R Paper session 19

Track 1: ICTs and Resilience-Building: Climate Change, Pandemics, and Other Stressors

Track chairs: Sifiso Dlamini, Richard Heeks, Mario Marais, Angelica Ospina and P.J. Wall

Organizational Resilience Between Competing Networks of Infomediaries: A Case Study in Civil Society Resilience in Hong Kong

Sophie Zinser and Hannah Thinyane

Role of Information and ICTs as Determinants of Farmer's Adaptive Capacity to Climate Risk: An Empirical Study From Haryana, India

Priya Chetri, Upasna Sharma and P. Vigneswara Ilavarasan

Building Resilient Information Systems for Child Nutrition in Post-conflict Sri Lanka during COVID-19 Pandemic

Pamod Amarakoon, Jørn Braa, Sundeep Sahay, Lakmini Magodarithna and Rajeev Moorthy

Digital Resilience for What? Case Study of South Korea

Kyung Ryul Park, Sundeep Sahay, Jørn Braa and Pamod Amarakoon

08:45 – 10:15

R Paper session 20

Track 14: General track

Track chairs: Petter Nielsen, Johan Ivar Sæbø and Terje Aksel Sanner

A Proposed Framework for the Comprehensive Scalability Assessment of ICTD Projects

Gugulethu Baduza and Caroline Khene

Moments in the Production of Space: Developing a Generic Adolescent Girls and Young Women Health Information Systems in Zimbabwe

Rangarirai Matavire, Jørn Braa, Shorai Huwa, Lameck Munangaidzwa, Zeferino Saugene, Isaac Taramusi and Bob Jolliffe

Deconstructing the Dichotomous Relationship Between "IT analysts and End-users": A Case of Implementing Standard Indicators in Cameroon

Flora Asah and Jens Kaasbøll

Artificial Intelligence in the Global South (AI4D): Potential and Risks

P.J. Wall, Deepak Saxena and Suzana Brown

08:45 – 10:30

R Paper session 21

Track 3: Data Science in Public Health: Potential and Challenges

Track chair: Biju Soman

Medical Graphs in Patient Information Systems in Primary Care

Thea Hvalen Thodesen, Uy Tran, Jens Kaasbøll, Chipso Kanjo and Tiwonge Manda

Establishing Data Warehouse to Improve Standardize Health Care Delivery: A Protocol Development in Jakarta City

Verry Adrian, Intan Rachmita Sari and Hardya Gustada Hikmahrachim

Application of Executive Information System for COVID-19 Reporting System and Management: An Example from DKI Jakarta, Indonesia

Verry Adrian, Intan Rachmita Sari and Hardya Gustada Hikmahrachim

Track 2: Digital Platforms in, from and in-between the Global South and North

Kari Koskinen, Aleksii Aaltonen and Silvia Masiero

Boundary Spanning and the Support of Digital Entrepreneurs: A Case Study of Bahrain

Noora H. Alghatam

10:15 – 10:30

Break

10:30 – 11:30

K Keynote: Where to, from resilience? - An exploration of post-pandemic, digital pathways towards the “distribution of freedom”

Speakers: Anita Gurumurthy

Passcode: 456120

Zoom link: <https://uio.zoom.us/j/62270329214>

11:30 – 12:00

Break

12:00 – 13:30

P Panel: Feminist Approaches to Information Systems and Digital Technologies for Development

Speakers: Chisenga Muyoya, Ayushi Tandon, Charmaine Wellington, Sara Vannini, Caitlin Bentley

Passcode: 642116

Zoom link: <https://uio.zoom.us/j/67199166033>

The panel brings together four early career (in Academia) women with multi-year experience in different sectors across the field to discuss how feminist theories have offered informative and transformative frameworks to their research in Information Systems and Digital Technologies for Development. Bringing their different positionalities to the table, and both academics' and practitioners' perspectives, the panelists will discuss issues related to participation, progression and representation for women in the workplace, ethical considerations and critical evaluation of ICT4D data collection practices, AI and the women reclaiming AI movement, and struggles related to conceptualizations of feminisms and definitions of gender when working across continents.

13:30 – 14:00

Break

14:00 – 14:45

R Paper session 22

Track 14: General track

Track chairs: Petter Nielsen, Johan Ivar Sæbø and Terje Aksel Sanner

Empirical Study of Sustaining the Actualized Value Propositions of Implemented E-Government Projects in Sub-Saharan Africa

Yusuf Ephraim Chidama and Chidi Ononiwu

Readiness of the South African Agricultural Sector to Implement IoT

In'aam Soeker, Shallen Lusina and Wallace Chigona

14:00 – 14:45

R Paper session 23

Track 4: ICT4D and Data Justice

Track chair: Soumyo Das

Data Justice in Digital Social Welfare: A study of the Rythu Bharosa Scheme

Silvia Masiero Chakradhar Buddha

Policy–Practice Contradiction: Case of Cloud Computing Adoption in the Malawi Health Sector

Deborah Amos Phiri and Chipso Kanjo

14:00 – 14:45

R Paper session 24

Track 9: Digital Authoritarianism and Fundamentalism: Problems and Solutions

Track chairs: Richard Heeks, Devinder Thapa and P.J. Wall

The Quest for Development: When Social Media-Brokered Political Power Encounters Political 'Flak Jackets'

Boluwatife Ajibola

Track 1: ICTs and Resilience-Building: Climate Change, Pandemics, and Other Stressors

Track chairs: Sifiso Dlamini, Richard Heeks, Mario Marais, Angelica Ospina and P.J. Wall

Market Digitalization and Resilience in Crisis Times

Guillermo J. Larios-Hernandez

14:45 – 15:15

L Closing Address

Speakers: Silvia Masiero, Petter Nielsen, Robert Davison, Sam Zaza

Passcode: 015312

Zoom Link: <https://uio.zoom.us/j/64308397217>
