



Responsible AI and Analytics for an Ethical and Inclusive Digitised Society

(A virtual conference including live keynote presentations, paper presentations, and networking events)

www.l3E2021.com















(Version: 6th August 2021)

Conference Program

[All events are Irish Standard Time (GMT+1)]

Dear Participant,

We look forward to e-meeting you at The 20th IFIP Conference e-Business, e-Services, and e-Society I3E 2021 conference this September. We hope you thoroughly enjoy the keynote and author presentations, as well as the social events. As this schedule has been designed to accommodate keynote speakers and authors from different time zones, some papers might not be categorised under the same track as listed in the conference proceedings.

Abbreviations: SP = Short Paper (10 min presentation + 5 min Q&A), FP = Full Paper (15 min presentation + 5 min Q&A))

Thank you for your understanding and support.

Regards
Denis & Anastasia
Conference Chairs

Day 1: Wednesday 1st September 2021

9.30 - 10.00	Welcome Address from Conference Chairs, Head of School of Business & Economics (Professor Alma McCarthy), and IFIP 6.11 Committee		
10.00 - 11.00	Keynote title: Algorithmic Bias: The Australian Government's Online Compliance Intervention System and Its Fallout		
	Keynote speaker: Professor Katina Michael, Arizona State University, USA. Virtual Room: Oak		
11.00 - 11.15	VIRTUAL COFFEE HOUSE		
11.15 - 12.45	Session 1A Adopting AI for Digital Transformation & Public Good Chair: Efpraxia D. Zamani Virtual Room: Oak	Session 1B AI & Analytics Decision Making Chair: Samrat Gupta Virtual Room: Hazel	Session 1C AI Philosophy, Ethics & Governance Chair: Vasiliki Koniakou Virtual Room: Willow
	(FP) Affordances in human-chatbot interaction: a review of the literature Morten Johan Mygland, Morten Schibbye, Ilias Pappas and Polyxeni Vassilakopoulou	(FP) Wise Data-Driven Decision-Making Morteza Namvar and Ali Intezari Harsini	(FP) Towards Ecosystems for Responsible AI: Expectations on Sociotechnical Systems, Agendas and Networks in EU Documents Matti Minkkinen, Markus Philipp Zimmer, and Matti Mäntymäki
	(FP) AI in the Workplace: Exploring Emotions on Chatbot Use in IT services Lorentsa Gkinko and Amany Elbanna	(FP) Data-driven Collaborative Human-AI Decision Making Gregoris Mentzas, Katerinan Lepenioti, Alexandros Bousdekis, and Dimitris Apostolou	(FP) Analysing AI via Husserl & Kuhn: How a Phenomenological Approach to Artificial Intelligence Imposes a Paradigm Shift Daire Boyle
	(FP) Chatbots at Work: A Taxonomy of Chatbots in Organisations Lorentsa Gkinko and Amany Elbanna	(FP) Always Trust the Advice of AI in Difficulties? Perceptions Around AI in Decision Making Amit Kumar Kushwaha, Ruchika Pharswan, and Arpan Kumar Kar	(FP) The Ethical Implications of Lawtech Rónán Kennedy
	(SP) A Process Model of Artificial Intelligence Implementation Leading to Proper Decision Making Mohammad Merhi	(SP) Big Data Analytics Affordances for Social innovation: a Theoretical Framework Ilias Pappas and Devinder Thapa	(FP) Deploying AI Governance Practices: A Revelatory Case Study Emmanouil Papagiannidis, Ida Merete Enholm, Christian Dremel, Patrick Mikalef, and John Krogstie
12.45 - 13.15		Lunch	
13.15 - 14.45	Session 2A Privacy & Transparency in a Digitised Society Chair: Polyxeni Vassilakopoulou Virtual Room: Oak	Session 2B Digital Enabled Sustainable Organisations & Societies Chair: Rogier van de Wetering Virtual Room: Hazel	Session 2C Digitised Supply Chains Chair: Mohammad Ovais Ahmad Virtual Room: Willow
	(FP) Stop Ordering Machine Learning Algorithms by their Explainability! An Empirical Investigation of the Tradeoff between Performance and Explainability Jonas Wanner, Lukas-Valentin Herm, Kai Heinrich, and Christian Janiesch	(FP) Artificial Intelligence and the Evolution of Managerial Skills: An Exploratory Study Laurent Giraud, Ali Zaher, Selena Hernandez, and Akram Al Ariss	(FP) A Dynamic Capability Lens to Investigate Big Data Analytics and Supply Chain Agility: Antecedents and Outcomes Trevor Cadden, Guangming Cao, Raymond Treacy, Ying Yang, and George Onofrei
	(FP) A Systematic Review of Fairness in Artificial Intelligence Algorithms Khensani Xivuri and Hossana Twinomurinzi	(FP) The Diffusion of Innovation Experience: Leveraging the Human Factor to Improve Technological Adoption Within an Organisation Gustav du Plessis and Hanlie Smuts	(FP) The Effect of Data-driven Culture on Customer Development and Firm Performance: The Role of Supply Chain Information Sharing and Supply Chain Information Quality Benjamin Agyei-Owusu, Mawuli, Kobla Amedofu, David Asamoah, and Caleb Amankwaa Kumi

	(SP) Is Downloading this App Consistent with my Values? Conceptualizing a Value-Centered Privacy Assistant Sarah E. Carter (FP) Operationalizing a Glass Box Approach by Means of Visualization: Applied to a GA-profiling Application Niels Netten, Arjen Suijker, Mortaza S. Bargh, and Sunil Choenni	(FP) Exploring the Link Between Digitalization and Sustainable Development: Research Agendas Yashoda Karki and Devinder Thapa (FP) Research Trends, Theories and Concepts on the Utilization of Digital Platforms in Agriculture: A Scoping Review Abraham Sam and Sara Grobbelaar	(FP) A Review of AI in the Supply Chain Industry: Preliminary Findings Conn Smyth, Denis Dennehy, and Samuel Fosso-Wamba (FP) How Does IOS-enabled Business Intelligence Enhance Supply Chain Performance? Caleb Amankwaa Kumi, David Asamoah, and Benjamin Agyei-Owusu
14.45 - 15.00	VIRTUAL COFFEE HOUSE		
15.00 - 16.30	Session 3A Al Philosophy, Ethics & Governance Chair: Rónán Kennedy Virtual Room: Oak	Session 3B Adopting AI for Digital Transformation & Public Good Chair: Ransome Bawack Virtual Room: Hazel	Session 3C Teaching & Learning Chair: Caleb Amankwaa Kumi Virtual Room: Willow
	(FP) Ethics and Al Issues: Old Container with New Wine? Fred Niederman and Elizabeth Baker	(FP) Achieving Digital-driven Patient Agility in the Era of Big Data Rogier Van de Wetering	(SP) A Multi-Level Analysis of Mistrust/Trust Formation in Algorithmic Grading Stephen Jackson and Niki Panteli
	(FP) Governing Artificial Intelligence and Algorithmic Decision Making: Human Rights and Beyond Vasiliki Koniakou	(FP) Responsible Machine Learning Pilot Test Projects: A Medical Coding Case Study Samantha Champagnie and Janis Gogan	(SP) Using Data Analytics to Detect Possible Collusion in a Multiple Choice Quiz Test Michael Lang
	(FP) Ethics in AI: A Software Developmental and Philosophical Perspective Tanay Chowdhury and John Oredo	(FP) COVID-19 Discrepancies Rising from Population Density in the USA Mouwafac Sidaoui, Nicholas Abrams, and Abhishruti Adhikari	(FP) Computational Numeracy (CN) for Under- prepared, Novice Programming Students Carla Coetzee and Machdel Matthee
16.30	CLOSE		
16.30 - 17.30	IFIP 6.11 Committee Meeting, Virtual Room: Oak		
18.00 - 19.00	Social Event + Live Traditional Irish Sean-nós (old style) Dancing, Virtual Room: Oak		

Day 2: Thursday 2nd September 2021

9.30 - 11.00	Session 4A Digital Technologies & Organisational	Session 4B Adopting AI for Digital Transformation &	Session 4C Customer Behavior & E-business
9.30 - 11.00	Capabilities	Public Good	Chair: Sachin Modgil
	Chair: Hanlie Smuts	Chair: Samrat Gupta	Virtual Room: Willow
	Virtual Room: Oak	Virtual Room: Hazel	VII tuat Room. Wittow
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	(FP) To Study BIM as Boundary Objects from the	(FP) AI: Opportunities and Challenges - The Optimal	(FP) Explaining the Network of Factors that
	Knowledge-As-Practice Perspective in the	Exploitation of (Telecom) Corporate Data	Influence the Timing of and Decision to Upgrade
	Construction Project - A Conceptual Framework	Polyxeni Palaiogeorgou, Christos A. Gizelis,	Enterprise Systems
	Jing Wang, Pamela Abbott,	Antonios Misargopoulos, Filippos Nikolopoulos-	Candice Petersen and Lisa F. Seymour
	and Efpraxia D. Zamani	Gkamatsis, Antonis M. Christonasis, and	
		Michalis Kefalogiannis	
ĺ	(FP) Understanding How Enterprise Architecture	(FP) Adopting Artificial Intelligence in the Saudi	(FP) An Overview of the Application of Sentiment
	Contributes to Organizational Alignment	Arabian Public Sector: Preliminary Findings	Analysis in Quality Function Deployment
	Hong Guo, Jingyue Li, Shang Gao, and Darja Smite	Albandari Alshahrani, Denis Dennehy, and	Blessed Sarema and Stephen Matope
		Matti Mäntymäki	
	(FP) How Dynamic Capabilities Enable Agility: The	(FP) E-Procurement Practices in the Public Sector:	(FP) Cash is King, isn't it? Payment Preferences
	Mediating Role of Digital Project Benefits	The Case of an Inter-organizational Information	and Switching Intentions of German Customers
	Rogier Van de Wetering	System in Ghana	Matthias Murawski, Serena Scomparin, and
	nogici van de weeering	Michael Agbeko, John Effah, and Richard Boateng	Markus Bick
	(FP) CT-based Inter-organisational Knowledge	Michael Agbello, John Erran, and Richard Boateng	Markas Brek
	Exchange: A Narrative Literature Review Approach		
	Yuzhen Zhu, Efpraxia D. Zamani, Jorge		
	Tiago Martins, and Ana Cristina Vasconcelos		
11.00 - 11.15	riago Martins, and Ana Cristina Vasconcetos	VIRTUAL COFFEE HOUSE	
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11.15 - 12.45	Session 5A Blockchain	Session 5B Social Media & Analytics	Session 5C Digital Technologies & Organisational
11.15 - 12.45	Chair: Trevor Cadden	Chair: Morteza Namvar	Capabilities
11.15 - 12.45			Capabilities Chair: Sachin Modgil
11.15 - 12.45	Chair: Trevor Cadden Virtual Room: Oak	Chair: Morteza Namvar Virtual Room: Hazel	Capabilities Chair: Sachin Modgil Virtual Room: Willow
11.15 - 12.45	Chair: Trevor Cadden Virtual Room: Oak (FP) Blockchain in a Business Model: Exploring	Chair: Morteza Namvar Virtual Room: Hazel (FP) Modeling Malicious Behaviors and Fake News	Capabilities Chair: Sachin Modgil Virtual Room: Willow (FP) Industry 4.0 and Organisations: Key
11.15 - 12.45	Chair: Trevor Cadden Virtual Room: Oak (FP) Blockchain in a Business Model: Exploring Benefits and Risks	Chair: Morteza Namvar Virtual Room: Hazel (FP) Modeling Malicious Behaviors and Fake News Dissemination on Social Networks	Capabilities Chair: Sachin Modgil Virtual Room: Willow (FP) Industry 4.0 and Organisations: Key Organisational Capabilities
11.15 - 12.45	Chair: Trevor Cadden Virtual Room: Oak (FP) Blockchain in a Business Model: Exploring	Chair: Morteza Namvar Virtual Room: Hazel (FP) Modeling Malicious Behaviors and Fake News	Capabilities Chair: Sachin Modgil Virtual Room: Willow (FP) Industry 4.0 and Organisations: Key
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13.30 - 14.30	Keynote title: Misinformation in The Context of Covid-19 Pandemic: An Investigation of Harm Perceptions		
	and Related Social Media Conversations		
	Keynote speaker: Professor Raghav Rao		
	University of Texas, USA. Virtual Room: Oak		
14.30 - 14.45	VIRTUAL COFFEE HOUSE		
14.45 - 15.45	Panel Session: Ethical AI: Why should we be concerned? Virtual Room: Oak		
	Panel Chair: Dr. John Oredo, University of Nairobi, Kenya		
	Panelists: Professor Joanna Bryson (Hertie School, Germany), Mrs. Vasiliki Koniakou (Turku University, Finland), Hon. Professor. Bill Schmarzo (Menlo College		
	USA, & NUI Galway, Ireland), and Dr. David Kreps (NUI Galway, Ireland)		
15.45 - 16.00	VIRTUAL COFFEE HOUSE		
16.00 - 16.30	Social Event + Best Paper Awards Virtual Room: Oak		

Day 3: Friday 3rd September 2021

	Day 5. Filiday 5 September 2021					
9.30 - 10.30	Keynote title: Next Best Action in Digital Marketing Using Reinforcement Learning					
	Keynote speaker: Professor Dinesh Kumar					
	Indian Institute of Management Bangalore, India.					
		Virtual Room: Oak				
10.30 - 10.45	VIRTUAL TEA & COFFEE BREAK					
11.00 - 12.15	Session 6A Social Media & Analytics	Session 6B Information Systems Development	Session 6C Teaching & Learning			
	Chair: Elvira Ismagilova	Chair: Marié Hattingh	Chair: Michael Lang			
	Virtual Room: Oak	Virtual Room: Hazel	Virtual Room: Willow			
	(SP) Investigating the Dynamics of Polarization in	(FP) Digital Transformation of Software	(FP) Perceptions of Students for a Gamification			
	Online Discourse during COVID-19 Pandemic	Development: Implications for the Future of Work	Approach: Cities Skylines as a Pedagogical Tool in			
	Samrat Gupta, Gaurav Jain, and Amit Anand	Samuli	Urban Planning Education			
	Tiwari	Laato, Matti Mäntymäki, Teemu Birkstedt, A.K.M.	Khan Tayyeb Ahmed and Xin Zhao			
		Najmul Islam, and Sami Hyrynsalmi				
	(FP) #SDG13: Understanding Citizens Perspective	(SP) Business Analytics Continuance in Software	(FP) Impact of COVID-19 pandemic on E-participation			
	Regarding Climate Change on Twitter	and Systems Development Projects - A Preliminary	of Fans in Sports Events			
	Prabhsimran Singh, Surleen Kaur, Yogesh K.	Analysis	Vishal Mehra, Pooja Sarin, Prabhsimran Singh, Ravinder			
	Dwivedi, Sandeep Sharma, and Ravinder Singh	Muhammad Ovais Ahmad, Iftikhar Ahmad,	Singh Sawhney, and Arpan Kumar Kar			
	Sawhney	and Iqra Sadaf Khan				
	(FP) Ecosystem of Social	(FP) Artificial Intelligence (AI) Capabilities, Trust	(FP) Social Exclusion in Gamified Information Systems			
	Media Listening Practices for Crisis Management	and Open Source Software Team Performance	Arthur van der Poll, Izak van Zyl, and Jan Hendrik			
	Lucia Castro Herrera, Tim A. Majchrzak,	Babu Veeresh Thummadi	Kroeze			
	and Devinder Thapa					
	(FP) The Use of Elaboration Likelihood Model					
	in eWOM Research: Literature Review and					
	Weight-analysis					
	Elvira Ismagilova, Yogesh Dwivedi, and Nripendra					
	Rana					
12.15 - 13.00	About 13E 2022 & Final Remarks (Virtual Room: Oak)		n: Oak)			
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