

## Emerging Technologies and Organizational Culture

Emerging technologies, which we take to include artificial intelligence, data analytics technologies, social media and many more related platforms [1], now pervade every aspect of organizational life. These new forms of mostly digital technologies have unique characteristics that have the potential to fundamentally alter how organizations operate. Social media are characterized by a high degree of openness, involving distributed innovation agency encompassing a heterogeneous constellation of actors [2] with multiple and often incongruent goals, values, and expectations [3]. Open platforms are deployed in an exceedingly complex context, characterized by a plurality of technology, spatial and institutional affordances that shape the use of these technologies and their outcomes [2]. Artificial intelligence is characterized by high levels of autonomy, in that it can remove humans entirely from both the generation and execution of tasks and inscrutability, in that AI procedures and outputs can become impossible to assess and understand by human actors [4]. These unique features mean that organizational deployments of these emerging digital technologies are much more complex and challenging than traditional organizational structures and practices [5], requiring organizations to develop new mindsets, routines, and business models [6].

Nevertheless, the precise organizational impact of these technologies remains unclear: The technologies are, of course, defined as ‘emergent’ and are, therefore, expected to carry with them a high potential for change and, indeed, disruption. Beyond this baseline agreement, however, there is no consensus on the meaning and effects of emergent technologies [7]. Many have settled upon a cultural appreciation of the problem to bring some order to these reflections. Culture is a highly complex, intangible, and implicit phenomenon [8, 9]. Moreover, previous relevant research [9] noted that it consists also of several tangible and distinctive elements. Considering this and to be inclusive in our track, we do not follow any specific description or definition of culture. In this rendering of the core issues, the emerging technologies that shape our lives and interactions are regarded as cultural insofar as they reflect and project our preferences, ideals, and identities [10,11,12,13,14,15,16]. Cultural resources [17] and organizational actors’ identities [18] have been shown to explain how organizations leverage such emerging digital technologies to organize their activity. This cultural understanding of our emerging technologies is, of course, now generally accepted. However, it is poorly understood and is (or should be) vulnerable to dissenting voices that are not always allowed the privilege of a fair hearing. For example, managerialist writers, commenting upon the issues surfaced by the continuing development of emerging technologies, tend to operate with an understanding of culture and identity that is singular in nature and top-down in orientation [19]. In short, the preferred cultural appreciation of emerging technologies tends to take ‘the social’ out of ‘social media’.

In this conference track, the convenors invite contributions from scholars and practitioners who would avoid the now familiar frameworks and prescriptions of/ for successful (cultural) change. Thus, we welcome contributions from those who would explore the way emerging technologies, variously, transplant, embed and/or supplant the familiar social and organizational conventions that are, too often, reduced to ‘culture’. We seek contributions recognizing the need to forge a constructive engagement with the important debates around technology development and organizational innovation. And yet, we are keen to hear from those who remain willing to challenge the (cultural) categorizations that have been deployed to shape our appreciation of the challenges posed by emerging technologies.

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We hesitate to provide a definitive list of topics for fear that this might diminish the exercise of the sociological imagination, and so, crowd-out alternative ideas and approaches. Nonetheless, we especially seek contributions around ‘problematising’ technology, organization and culture, which particularly consider the following:

- The extent to which conventional classifications of culture facilitate our appreciation of emerging technologies.
- Meaning of being a user in the context of emerging technologies.
- The extent to which current invocations of all things ‘digital’ are truly suggestive of transformative change.
- Emerging technologies and the problem of identity.
- Culture, frames and the deployment of emerging technologies.
- Culture, change and digital transformation.
- The ‘great resignation’.
- Diversity in the context of ‘emerging technologies’ and vice versa.
- The problems and processes of agility.
- Theories of/ for emerging technologies.
- Multi-level studies of technological development/ innovation and change.

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**Track Co-Chairs**

Name – Surname	Stefano Di Lauro
(primary contact)	
Title	Assistant Professor
E-mail	stefano.dilauro@unimercuratorum.it
Affiliation	Universitas Mercatorum
Short bio	Stefano Di Lauro is an Assistant Professor at the Universitas Mercatorum (Italy). Previously, he was a Postdoctoral researcher at the University of Sannio (Italy). He obtained his PhD in Management, focusing on organizational identity, corporate identity, and social media, from the University of Naples Federico II (Italy) in 2020. In 2019, he was a visiting researcher at the Business School of the University of Edinburgh. Prior to his PhD, he accumulated extensive international work experience in digital communication and marketing. His current areas of research and teaching include organization studies and people analytics.

Name – Surname	Gilda Antonelli
(primary contact)	
Title	Professor
E-mail	gilda.antonelli@unich.it
Affiliation	D'Annunzio University of Chieti–Pescara
Short bio	Gilda Antonelli is Professor in Organizational Design and Human Resources Management at D'Annunzio University of Chieti–Pescara

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	(Italy). Her research focuses on innovation and change management at different organizational levels (individual, team, organization, and network), and on organizational identity. She is now focused on studying organizational change driven by Human Research Analytics methods. She is responsible for several national and international research funds, and she is a member of the Italian Academy of Organizational Studies.
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Name – Surname	Raluca Bunduchi
(primary contact)	
Title	Professor of Innovation
E-mail	<a href="mailto:Raluca.Bunduchi@ed.ac.uk">Raluca.Bunduchi@ed.ac.uk</a>
Affiliation	University of Edinburgh
Short bio	Raluca Bunduchi is Professor of Innovation at the University of Edinburgh Business School (UK). She is also an Adjunct Research Professor at the Faculty of Economics and Business Management, Babes Bolyai University (Romania). She has a long held research interest in information technology and its role in transforming organising and organisations. Her current work examines legitimation strategies for innovation, tensions in digital transformation, and approaches to innovation in digital firms. Her work cuts across different management disciplines and has been published in journals such as Journal of Product Innovation Management, Information Systems Journal, International Journal of Operations and Production Management, and British Journal of Management. She is on the editorial review board of the Journal of Product Innovation Management.

Name – Surname	Pauline Weritz
(primary contact)	
Title	Assistant Professor
E-mail	<a href="mailto:p.weritz@utwente.nl">p.weritz@utwente.nl</a>
Affiliation	University of Twente
Short bio	Pauline Weritz is an Assistant Professor for Organizational Behavior, Change Management, and Consultancy in the Industrial Engineering and Business Information Systems Section at the University of Twente, The Netherlands. She obtained a Ph.D. (cum laude) in Business, Innovation, and Sustainability from Ramon Llull University, Barcelona, Spain, and was a visiting researcher in the IS Department at Boston College. She also is a science fellow at the Embassy of the Kingdom of the Netherlands in the United Kingdom. With her background in Psychology and Management, Pauline’s research focuses on the intersection of Organizational Behavior and Digital Transformation. Her work has been published in the Information Systems Journal, European Journal of Information Systems, and Business Strategy and the Environment. She also presented at conferences such as the International Conference on Information Systems, the Americas Conference on Information Systems, and the Annual Conference of the German Academic Association of Business Research.

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### Track Program Committee Members

Name	Affiliation	Country	email
Jing Cai	University of Aberdeen Business School	UK	jing.cai@abdn.ac.uk
Catalina Mitra-Crisan	Babes Bolyai University, Faculty of Economics and Business Administration	Romania	catalina.crisan@econ.ubbcluj.ro
Luigi Moschera	University of Parthenope	Italy	luigi.moschera@uniparthenope.it
Francesca Di Virgilio	University of Molise	Italy	fradivi@unimol.it
Angelo Riviezzo	University of Sannio	Italy	<a href="mailto:angelo.riviezzo@unisannio.it">angelo.riviezzo@unisannio.it</a>
Aizhan Tursunbayeva	University of Parthenope	Italy	aizhan.tursunbayeva@uniparthenope.it
Filomena Pagnozzi	University of Sannio	Italy	<a href="mailto:5ilomena.pagnozzi@gmail.com">5ilomena.pagnozzi@gmail.com</a>
Annanya Devi	University of Twente	Netherlands	a.devi@utwente.nl
Rashmiah Rajah	University of Twente	Netherlands	r.b.rajah@utwente.nl
Lara Carminati	University of Twente	Netherlands	l.carminati@utwente.nl

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