TRACK INFORMATION

Title: Digital Technologies in Organizations and Networks for Sustainable Development

Outline (max. 300 words):

The rapid development of digital technologies, the abundance of digital devices, and the huge amount of accessible data provide organizations, local ecosystems and networks with new opportunities to increase their business performances, innovation capabilities, and their strategic and operational flexibility (Dąbrowska et al., 2022). Examples include the enhancement of customer experience (Westerman et al., 2014), the improvement of product/service flexibility (Nambisan et al., 2017), the empowerment of decision-making process (Pigni et al., 2016), and the networking of industrial actors and sectors (Destefanis et al., 2020).

Behind such economic advantages, digital technologies contribute also to pursue industrial (Yang et al., 2021) and environmental sustainability (Hajishirzi et al., 2022), and create new social value based on inclusiveness and equity (del Hoyo et al., 2021).

In this view, digital technologies play a central role in the digital economy scenarios by contributing to the development of innovative network-based archetypes such as business webs (Nucciarelli et al., 2017), extended enterprises (Spekman and Davis, 2016), digital business ecosystems (Senyo et al., 2019), multi-sided platforms (Cusumano et al., 2019; Hagiu and Wright, 2015), distributed autonomous organizations (Wang et al., 2019), which are capable to achieve economic advantages and contribute to reach the UN Sustainable Development Goals (Ufua et al., 2021; ElMassah and Mohieldin, 2020). Actually, by integrating a mix of digital technologies (e.g., artificial intelligence, Internet of Things, 3D printing, big data, etc.) with people competencies and creativity, organizations and networks can conceive, design and experiment innovative and impactful applications that create value at both social (Majchrzak et al., 2016) and environmental (Kunkel and Matthess, 2020; Balogun et al., 2020) level. Exemplary cases include innovative applications for pollution control, waste management, sustainable production, urban sustainability (Feroz et al., 2021), and renewable energy management (Cuenca et al., 2021; Gjorgievski et al., 2021).

Indicate a maximum of 5 key topics to be addressed in the track:
- Digital technologies and their impact on sustainable development
- Digital technologies enabling sustainable business models
- Digital technologies for SDGs: ongoing initiatives and case studies
- Digital technology supporting local/global networks/ecosystems

• Leveraging individuals' creativity and machines' intelligence to support organizations/networks in green and digital transition
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Is the Track part of a Special Issue? If so, please, indicate:
Journal: ---
Title of the Special Issue: ---
Key dates: ---