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19th International Forum on Knowledge Asset Dynamics

Translating Knowledge into Innovation Dynamics

IFKAD 2024
12-14 JUNE 2024
MADRID, SPAIN

CALL FOR ABSTRACTS – IFKAD 2024

Special Track n.: 22

Research Area: Knowledge-Based Development

Digital Approaches and Tools for Global Urban Development and Innovation

Organizers

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Description

New and advanced digital technologies can play a vital role in the transformation of knowledge assets into innovation dynamics, and in translating research to market solutions. The development of process and product innovations from knowledge is therefore crucial for value creation.

In the context of cities, digital technologies are increasingly becoming indispensable for urban planners and policy-makers in harnessing knowledge to drive innovation and sustainable development in urban areas. Conversion of knowledge assets into innovative solutions that enhance the quality of life, economic prosperity, and environmental sustainability in cities encompasses the integration of data, information, and expertise to foster creative solutions to urban challenges. In the contemporary urban development landscape, translating knowledge into innovation dynamics through the application of digital technologies is paramount. The emergence of digital technologies, such as Internet of Things (IoT), Artificial Intelligence (AI), Geographic Information Systems (GIS), and Big Data analytics, has revolutionized urban development practices. These technologies provide the tools and platforms necessary to gather, process, and analyse vast amounts of data, thereby enabling informed decision-making and innovative solutions for urban challenges. Harnessing the ever-increasing accessibility and availability of vast amounts of data through digital technologies and AI increase the complexity of combining internal knowledge, external insights and creation of new knowledge to harness innovation for driving value creation.

The Digital City Science is a Chair at the HafenCity University that focuses on leveraging digital technologies to understand urban complexity. The research set-up combines expertise in architectural design, urban planning, media technology, IT, and software development while collaborating with academia, business, administration, and civil society

to develop data-driven tools and methods for national and international applications. The research areas encompass merging sustainability and digital city research, while adapting knowledge management models and processes to drive innovation in urban and regional development.
With this perspective, the following topics are of the track's interest:

- Innovation in Sustainable Development: Bridging Research and Practice
- Knowledge Transfer and Innovation in Urban Planning: Lessons from Digital City Science
- Agent-Based Models as Innovation Tools: Enhancing Urban Systems Analysis
- The Impact of Smart Building Data on Urban Innovation Dynamics
- Global Urbanization and Open Source Innovation
- Collaborative Innovation in Sustainable City Planning
- Artificial intelligence and Machine learning in urban mobility
- Citizen participation and co-creation
- Integrating Urban Resilience measures into digital, spatial platforms.
- Modelling Social Systems and Dynamics in cities

The track invites participants from diverse fields, whether closely or indirectly linked to the built environment and engaged in sustainable development within cross-cultural contexts. We eagerly anticipate engaging in lively discussions and collectively exploring fresh perspectives for translating knowledge into innovation dynamics and advancing knowledge management approaches.

Keywords

Knowledge Management, Digitalisation, Smart Cities, Decision support, social dynamics in cities

Special Track details published on IFKAD website ››

Guidelines

Researchers wishing to contribute are invited to submit an **EXTENDED ABSTRACT** (in editable MS-Word format) of **min 500 and max 1000 words** by **15 JANUARY 2024**, using the submission procedure available on the website. The abstract should address theoretical background, research objective, methodology, and results in terms of expected contribution to Knowledge Management theory and practice. Authors are required to follow the guidelines for both extended abstracts as well as full papers available on IFKAD site: www.ifkad.org

Important dates

15 January 2024	*Extended Abstract submission deadline*
10 February 2024	*Acceptance notification to authors*
30 March 2024	*Early-Bird registration cut off*

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10 April 2024	*Full paper submission deadline*
20 May 2024	*Registration deadline*
12-14 June 2024	*Conference sessions*

For further information

For any information related to the event, please see the event website at www.ifkad.org or contact the conference manager at info@ifkad.org