



KES
7-9 September 2022
Verona, Italy & Virtual

**26th International Conference on
Knowledge-Based and Intelligent Information
and Engineering Systems**

CALL FOR PAPERS

IS45 The Urban-Social Layer:

Digital Approaches to Social Dynamics in Cities

Driven by discourses on digital and smart cities, many data-based approaches have unfolded over the recent years targeting the comprehensive modelling of complex urban systems. Building on top of tools and methodologies like Space Syntax, Agent Based Modelling, or CityScope, while converging knowledge from research fields like City Information Modelling, Geoinformation Science, and Digital Urban Twins.

While such approaches ever more successfully grasp the physical and material properties of urban environments (e.g. building structures, environmental conditions, energy, and mobility flows) a major open question is the appropriate modelling of social dynamics. How can individual and collective human behaviour be digitally represented and embedded in the framework of digital cities? **What can we learn from the study of social aspects of cities, using digital tools?** Approaches like Social Network Analysis, Cultural Analytics, or Social Simulations may provide first entry points here.

In order to raise the investigation to an inter- and transdisciplinary level, the special session invites contributions from social sciences, computer science, urban planning and development, and related disciplines, in order to discuss approaches working towards digital city studies with social dynamics as the key feature.

It is envisioned to publish the results of the session in the format of a dedicated book.

Dr. Jesús López Baeza
Prof. Dr. -Ing. Jörg Rainer Noennig

Digital City Science
HafenCity University Hamburg

Invited Session Number
IS45

Contact
joerg.noennig@hcu-hamburg.de

Submission
<http://kes2022.kesinternational.org/submit.php>

Registration
<http://kes2022.kesinternational.org/register.php>



Important dates

Call opens: **1 February 2022**

Submission of papers: **4 April 2022**

Notification of acceptance: **13 May 2022**

Final paper to be received: **3 June 2022**

Early bird registration deadline: **before 3 June 2022**

Full price registration: **after 3 June 2022**

Conference: **7-9 September 2022**

Fees*

	Early Bird	Full Price
In person	670€	770€
In person (student)	495€	595€
Online	450€	550€
Online (student)	295€	395€
Online (non-author)	175€	225€

*KES Silver member prices: see website

Conference venue

University of Verona - Polo Santa Marta
Via Cantarane 24, 37129 Verona VR, Italy

Publication of manuscripts

Conference Proceedings

Elsevier's Procedia Computer Science
Open Access journal available in ScienceDirect

*Publication charges included in conference registration

Dedicated Book

Selected manuscripts will be included in a dedicated book published by Springer and edited by the session chairs