14th International Joint Conference on Knowledge-Based Software Engineering (JCKBSE 2022)

Springer

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ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΕΙΡΑΙΩΣ
UNIVERSITY OF PIRAEUS

UNIVERSITY OF PIRAEUS RESEARCH CENTER

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Larnaca, Cyprus

22 - 24 August 2022

The main objective of the JCKBSE series of biennial conferences is to bring together researchers and practitioners to share ideas on the foundations, techniques, tools, and applications of knowledge-based software engineering theory and practice. JCKBSE2020 is the 14th Conference in the series, following previous JCKBSE conferences held in Pereslavl-Zalesskii (1994), Sozopol (1996), Smolenice (1998), Brno (2000), Maribor (2002), Protvino (2004), Tallinn (2006), Piraeus (2008), Kaunas (2010), Rhodes (2012), Volgograd (2014), Corfu (2018) and online (2020). JCKBSE2022 will last for three days and it will feature regular sessions with technical contributions reviewed and selected by an international program committee, as well as of invited talks given by distinguished keynote speakers and tutorials presented by leading scientists. The official language of the conference will be English.

STEERING COMMITTEE
Christo Dichev, *Winston-Salem University, USA*
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FINANCE CHAIRS
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THE VENUE
JCKBSE2022 is held in Larnaca, Cyprus, an area of outstanding natural beauty, endowed with numerous attractions, waterfronts and scenic vistas and complemented by some of the island's most outstanding beaches. Larnaca is located on the southern coast of Cyprus and it is home to the island's largest airport, Larnaca International Airport, which is located on the outskirts of the city to the south with excellent road links to the whole of the island. The city has a number of landmarks, including the Church of Saint Lazarus; the Catacomb of Phaneromeni Church; Hala Sultan Tekke; Kamares Aqueduct and the Fort of Larnaca, as well as a Municipal Theatre and an Art Gallery. The beautiful seafront promenade is lined with palm trees and an array of popular seafood restaurants, bars and cafés predominantly visited by tourists.

PROCEEDINGS
Accepted papers will be published by Springer as book chapters in its **"LEARNING AND ANALYTICS IN INTELLIGENT SYSTEMS"** series and will be available at the Conference.
Selected papers from the conference will be considered for publication in a special issue of the **International Journal of Computational Intelligence Studies (IJCIStudies, Inderscience)** and the **Intelligent Decision Technologies Journal (IOS Press)**.

SCOPE OF JCKBSE2022 - TOPICS OF INTEREST INCLUDE, BUT ARE NOT LIMITED TO:

- Architectures for knowledge-based shells
- Architecture of knowledge-based systems, including intelligent agents and softbots
- Development processes for knowledge-based applications
- Internet-based interactive applications
- Software tools assisting the development
- Knowledge acquisition
- Empirical /evaluation studies for knowledge-based applications
- Intelligent user interfaces and human-machine interaction
- Development of user models
- Development of multi-modal interfaces
- Software life cycle of intelligent interactive systems
- Knowledge technologies for semantic web
- Ontologies and patterns in UML modeling
- Knowledge technologies for web services
- Knowledge-based requirements engineering, domain analysis and modeling
- Knowledge engineering for process management and project management
- Methodology and tools for knowledge discovery and data mining
- Automating software design and synthesis
- Knowledge-based methods and tools for testing, verification and validation, maintenance and evolution
- Decision support methods for software engineering
- Knowledge management for business processes, workflows and enterprise modeling
- Program understanding, programming knowledge, modeling programs and programmers
- Knowledge-based methods and tools for software engineering education
- Software engineering methods for Intelligent Tutoring Systems
- Knowledge-based methods for software metrics

CONTACT INFORMATION
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IMPORTANT DATES

Session, workshop and tutorial proposals: 7 March 2022
Paper submission: 7 March 2022

Author notification: 9 May 2022
Camera-ready paper submission: 30 May 2022