



Golden Bay Beach Hotel, Larnaca, Cyprus

24 - 26 August 2020

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 13th 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) and Corfu (2018). JCKBSE2020 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

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THE VENUE

JCKBSE2020 is held on grounds of Golden Bay Beach Hotel in Larnaca, Cyprus. The Golden Bay Beach Hotel is a luxurious 5 star hotel situated in the favored south eastern region of Cyprus at the heart of the Bay of Larnaca. The hotel is just outside the town of Larnaca, only 15 minutes from Larnaca International Airport and 1 hour and 30 minutes from Paphos International Airport.

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 JCKBSE2020 - 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: **Monday, 6 April, 2020 (strict)**
Paper submission: **Monday, 6 April, 2020 (strict)**

Author notification: **Friday, 8 May, 2020**
Camera-ready paper submission: **Friday, 29 May, 2020**