**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.

**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**