

**The 5<sup>th</sup> International Conference on Real-Time Intelligent Systems (RTIS 2020)**  
**Casino Barriere, Biarritz, France**  
**June 30-July 03, 2020**  
[www.socio.org.uk/rtis](http://www.socio.org.uk/rtis)

The International Conference on Real-time Intelligent Systems (RTIS) has travelled from Zhuhai, China (2019), Taipei, Taiwan (2018), Casablanca, Morocco (2017), to Beijing, China (2016). The 5th RTIS will take place at Biarritz, a luxurious seaside tourist destination on the Bay of Biscay in the French Basque Country.

Over the last few years real-time intelligent computing has radically transformed human life style. Research on real-time intelligent systems is of multi-disciplinary nature, exploiting concepts from diverse areas such as big data processing, computational intelligence, location based services, recommendation systems, multimedia processing, among others. In today's highly dynamic environment, analyzing data in real time is a must to understand how systems are processing data, to reason the outputs and to anticipate trends in intelligent computing. To this end, this conference will serve as a platform to manifest the ongoing research in the field. Thus, RTIS welcomes theoretically grounded, methodologically sound papers that address aspects related to topics, such as:

**Artificial Intelligence Techniques**

- Artificial Intelligence and Data mining
- Streaming data, streaming engines
- Trace-based intelligent real-time services
- Adaptive vision algorithms
- Location based services
- Intelligent Robotic Systems
- Collaborative Intelligence

**Processing Intelligent Databases**

- Data capture in real-time
- Data quality and cleansing
- Intelligent Data Analysis
- Intelligent Database Systems
- Big Data systems and applications for high-velocity data
- Intelligent Information Systems
- Privacy and security in Intelligence

**Software Engineering Solutions**

- Intelligent Soft Computing
- Real-time multiprocessor systems
- Internet of Things
- Architectures for Intelligence
- Real-time distributed coding
- Smart services and platforms

- Real-time modeling user's information needs

### **Wireless Communication**

- Real-time intelligent communication
- Real-time intelligent network solutions
- Mobile Smart Systems
- Broadband Intelligence
- Cloud Computing and Intelligence
- Collaborative Intelligence
- Analysis in domains such as energy, sensors

### **Expert Systems**

- Decision support systems in real time
- Multi-agent Intelligent Systems
- Multilingual information access
- Recommendation systems
- Real-time intelligent alert systems
- Real-time remote access systems
- Intelligent Transportation Systems

### **Critical Real Time Applications**

- Real-time noise removal systems
- Event-driven analytics
- Intelligent Fuzzy Systems
- Machine translation in real time
- OLAP for real-time decision support
- Crowd Sourcing and crowd intelligence

### **Submission, proceedings**

Papers must be submitted online through EasyChair. All accepted papers will appear in the conference proceedings published by Springer LNCS series (Pending). Author instructions along with LaTeX2e (preferred) and Word macro files are available at (<http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>). Submitted papers should not exceed 14 pages (long papers) and 8 pages (short ones), including figures, tables and references. Authors of accepted papers are required to transfer their copyrights to Springer. For a paper to appear in the proceedings, at least one of the authors MUST register for the conference by the cameraready submission deadline with a full registration.

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