



Call for Papers

18th International Conference on Research Challenges in Information Science – **RCIS 2024**
May 14-17, 2024
Guimarães, Portugal
<https://www.rcis-conf.com/rcis2024/index.php>

RCIS aims to bring together scientists, researchers, engineers, and practitioners from information science in a wide sense. First arranged in 2007, the RCIS conference series aims to provide opportunities for knowledge sharing and dissemination in areas such as information systems and their engineering, user-oriented approaches, data and information management, enterprise management and engineering, domain-specific IS engineering, data science, information infrastructures, and reflective research and practice.

Information Science: Evolution or Revolution? Knowledge and technology are constantly evolving as a result of research & development, including in Information Science. However, recent fast progress in areas such as AI, quantum computing, and augmented reality might lead to a revolution in a short time, not only to an evolution. How we collect and use information might radically change. The impact, challenges, and concerns of the use of advanced AI (e.g., large language models), more powerful computing systems, and new digital worlds are common topics in our discussions nowadays. They also affect other areas, including security, ethics, and education. Is a revolution about to happen? Or is it only a new evolution? Will this depend on the Information Science areas in which progress is made or those affected? What role will base technologies such as data quality models, machine learning, conceptual models, and ontologies play? What will standards and best practices need to consider?

Topics of Interest

RCIS 2024 welcomes submissions from the whole spectrum of the information science field. The list of themes and topics includes, but is not limited to:

Information Systems and their Engineering User-Oriented Approaches

- Requirements Engineering
- Model-Driven Engineering
- Web-Based Applications and Services
- Data-Driven (R)evolution
- Method Engineering
- Social Computing and Social Network Analysis
- User-Centred Design
- Collaborative Computing
- Human Factors in Information Systems

Data and Information Management

- Databases and Information
- Information Search and Discovery
- Information Security and Risk Management
- Conceptual Modelling and Ontologies
- Knowledge Graphs

Domain-specific IS Engineering

- E-Health, E-Government, and E-Commerce
- Smart Cities
- Industry 4.0
- News and Media Production
- Digital Humanities
- Virtual Worlds

Information Infrastructures

- Information Systems for an Information Science Revolution
- Cyber-Physical Systems
- Web Information Systems
- Grid, Cloud, Fog, and Edge Computing
- Internet of Things
- Pervasive and Mobile Computing
- Quantum Computing

Enterprise Management and Engineering

- Business Process Engineering and Management
- Process Mining
- Enterprise Modelling
- Digital Transformation

Data Science

- Big Data and Business Analytics
- Decision Information Systems
- Machine-Learning Applications
- Knowledge Discovery and Management
- Information and Value Management
- Misinformation and Fake News

Reflective Research and Practice

- Responsible Research in and for an Information Science Revolution
- Impact of Information on the Enterprise and the Individual
- Information Science Education
- Research Methodologies in Information Science
- Lifecycle Models
- Design Science and Rationale
- Action Research and Case Studies in Information Science

Submission Process

The proceedings of RCIS 2024 will be published by Springer in the Lecture Notes in Business Information Processing series. Papers shall be formatted according to the Springer LNCS/LNBIP conference proceedings template (for LaTeX and Word):

<https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines>.

Papers that have already been accepted or are currently under review for other conferences or journals will not be considered for publication at RCIS 2024. Papers should be in English and must be associated to one of the following categories:

Technical solution papers (max 16 pages in Springer format) present solutions that are novel or significantly improve existing approaches. A technical solution paper must include a preliminary validation of the proposed solution, and results must be stated clearly enough so that it is possible to validate them in follow-up research.

Evaluation papers (max 16 pages in Springer format) evaluate existing problem situations or validate proposed solutions through scientific means, i.e., by empirical studies, experiments, case studies, simulations, mathematical proofs, etc. The research method must be sound and appropriate.

Industrial practice and experience papers (max 16 pages in Springer format) thoroughly present problems or challenges encountered in practice, elaborate on success or failure with existing approaches, or report on industrial practice (e.g., methods and tools). A paper in this category shall provide a clear context, detail the problem or the industrial practice, and explain the lessons learned.

Please note that the maximum length of the paper includes references, appendices, etc. In addition to the main research track, RCIS 2024 invites submissions to the following tracks: Forum, Doctoral Consortium, Research Projects, Journal First, Tutorials, and Workshops.

Proposals must be submitted using the conference submission site (<https://easychair.org/conferences/?conf=rcis2024>), track "RCIS 2024 Main Conference".

By submitting a paper, the authors agree that at least one of them will register to the conference and present the paper (one paper=one registration). The appearance of a paper in the Springer proceedings is dependent on the registration of one author within the early registration deadline on March 22, 2024.

We adopt a single-blind review format, meaning that the author names are included in the paper itself under the paper title.

Important Dates

Abstract submission deadline (*recommended*)	January 12 January 19 , 2024
Regular paper submission deadline	January 19 January 26 , 2024
Notification to authors	March 11, 2024
Camera-ready copy deadline for all paper types	March 20, 2024
Author registration deadline for all paper types	March 20, 2024
Conference	May 14-17, 2024

General Chairs

Maribel Yasmina Santos, University of Minho, Portugal
Saïd Assar, Institut Mines-Telecom Business School, France

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