



SIIE 2021

SIIE 2021 Call for Papers

University of Málaga

Málaga, Spain, September 23-24, 2021

A symposium of the VI Congreso Español de Informática (CEDI 2021)

The International Symposium on Computers in Education (SIIE) provides an international forum for the presentation and discussion of the latest advances in research on learning technologies and their practical application in educational processes. It also aims to bring together researchers, developers, institutional representatives and teachers to share views, knowledge and experiences.

The 23rd edition of the Symposium will focus on technologies for learning analytics. The application of institutional intelligence processes and the exploitation of academic data present great opportunities to improve both the teaching/learning processes and the management of academic institutions. To take advantage of this potential requires the definition, development and evaluation of technological constructs that allow the capture, processing and visualisation of data for timely decision making.

This edition of the SIIE is held within the framework of the VI Spanish Congress on Informatics (CEDI) 20/21, postponed from 2020 to 2021 due to the Covid-19 crisis.

Contributions

The Symposium calls for quality contributions presenting original work in Educational Informatics related to the topics of interest. Contributions can be written in Spanish, Portuguese or English. The title and abstract must also be written in English. The presentation of papers at the symposium may be in Spanish or English.

All contributions must be submitted as PDF files and conform to the [official IEEE Proceedings Formatting Instructions](http://www.ieee.org/conferences_events/conferences/publishing/templates.html) (http://www.ieee.org/conferences_events/conferences/publishing/templates.html). Regular contributions will be limited to a maximum of 6 pages.

Submissions should be made via the EasyChair platform through the following link (<https://easychair.org/conferences/?conf=siie2021>).

Accepted papers will be published digitally as symposium proceedings, which will be distributed to participants prior to the symposium.

Papers submitted will be included in an edition of post-proceedings, which will be submitted to IEEE to be considered for publication in IEEEExplore (indexed by Clarivate WoS and SCOPUS). The papers to be published as IEEE proceedings must be written in English.

At the end of the symposium, the IX Edition of the "Antonio Vaquero" award will be presented to the best paper of the SIIE 2021.

The best articles will also be selected for publication in extended versions in various journals. Special issues are currently confirmed in:

- Revista IEEE RITA (<http://rita.det.uvigo.es/>)
- La revista de ADIE, IE Comunicaciones (<http://www.adie.es>)
- Revista Novática (<http://www.ati.es/novatica/>)
- Revista Education in Knowledge Society (EKS) (<http://revistatesi.usal.es>)
- Journal of Information Technology Research (JITR) (<http://www.igi-global.com/journal/journal-information-technology-research-jitr/1100>)

Important dates

- **Paper Submission:** Apr 30th, 2021
- **Notification of acceptance:** June 1st, 2021
- **Camera-ready deadline:** June 22nd, 2021
- **Registration deadline:** June 30th, 2021
- **Conference:** September 23rd-24th, 2021

Topics

The following is a non-exhaustive list of related or complementary subjects that are considered within the main topic of the symposium:

Learning analytics

- Pedagogical theories applied to educational software design
- Semantic web applications in education
- Educational software applications in specific domains
- Distance learning, online and hybrid
- Collaborative learning
- Ubiquitous and mobile learning
- Authoring of educational contents
- Open knowledge in educational contexts
- Design and standardization of educational technologies, metadata and modelling languages
- Design, development and evaluation of educational software
- e-Assessment: Theory, methods, tools and practices
- Personalized learning environments

- Teachers' training in ICTs
- Knowledge, technology and competence management in educational contexts
- Artificial intelligence in education
- Human-computer interaction in educational contexts
- Virtual and remote laboratories
- Methodologies and use practices of educational software
- Educational data mining
- Multimedia, hypermedia and visualization in education
- Educational virtual worlds
- Educational robotics
- Web-based resources, tools and course systems
- Learning management systems: architectures and platforms
- Non-formal and informal learning support in the workplace
- Educational simulations and video games
- Social web and learning communities

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More information in <https://siie2021.adie.es>



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