

CoNaiISI 2014

2nd National Conference on Informatics Engineering and
Information Systems

San Luis - November 13 to 14, 2014

Call For Papers

CoNaiISI 2014 is organized by the Network of Informatics Engineering and Information Systems teaching institutions (RIISIC) belonging to CONFEDI. The Universidad Nacional de San Luis, Argentina, will be hosting CoNaiISI 2nd edition (CoNaiISI'2014). The main objective of the conference is to bring together faculty, researchers and students for the exchange of ideas and dissemination of research findings and experiences in Informatics Engineering and Information Systems.

CoNaiISI'2014 will take place in San Luis, Argentina, on November 13-14, 2014. Submissions are welcomed in the form of original scientific papers on innovative ideas, solutions developed to address actual problems, empirical works, case studies, in the scope of information systems and technologies.

The broad topics of interest for CoNaiISI'2014 include:

- Applications in Informatics and Information Systems.
- Legal and Professionals Aspects.
- Databases.
- Engineering Education.
- Fundamentals of Informatics.
- Project Management.
- Software and Systems Engineering.
- Networks.
- Computer Security.
- Operating Systems.

Conference website: <http://conaiisi.unsl.edu.ar>

Authors' Guidelines

Two categories of papers will be accepted:

1- Research papers

Submitted papers should be a finished or consolidated research on R+D, on one of the conference topics. Papers should not exceed 12 pages.

Submitted papers will be subjected to a double-blind peer review process. Therefore, they must not contain authors' names, affiliations, or any information that may disclose the authors' identity. This information will be solicited included in the final version, if the paper is accepted.

Contributions must be original, not having been previously published nor being under review by any other national or international conference or journal.

They must be submitted in PDF format, according to the guidelines given in: <http://conaiisi.unsl.edu.ar/FormatoPapers.doc>.

The official language of the conference is Spanish, however papers in English or Portuguese are

also welcomed.

Submissions will be accepted in the form of:

- a) Full papers: They must be presented during the conference. Time for presentation and discussion will be allotted. Papers will be published in the conference annals.
- b) Posters: These contributions will be exhibited during the conference. The size of posters must be A1 (594 mm x 841 mm) with vertical orientation. A session for the exhibition and oral presentation of the posters will be scheduled by the conference organization. Papers in this category will be published as a short-paper in the conference annals.

2- Student papers

Student paper submissions will be accepted in the form of:

- a) Graduation works: These contributions should not exceed 10 pages.
- b) Undergraduated student works: These papers should not exceed 8 pages. Course's name and level of the course should be indicated.

Submitted papers will be subjected to a double-blind peer review process. Therefore, they must not contain authors' names, affiliations, or any information that may disclose the authors' identity. This information will be solicited and included in the final version, if the paper is accepted.

Submitted contributions must be originals. They must have been developed as part of the student's academic activities.

Submissions must be in PDF format, according to the guidelines given in: <http://conaiisi.unsl.edu.ar/FormatoPapers.doc>.

The official language of the conference is Spanish, however papers in English or Portuguese are also welcomed.

Each accepted contribution will be exhibited as a poster during the conference. Posters must have a vertical orientation in A1 size.

The three best papers in each category will be selected to be presented during the conference.

Topics Area

Topic Area	Topic
Informatics and Information Systems Applications:	Administration and Management of Resources. Mobile and Digital Television Applications. E-government and Management System in Public Administration. Games and Entertainment. Electronic banking and E-commerce systems. Administrative Management, Commercial and Marketing Systems. Management and Industrial Control Systems. Spatial Information Systems. Geographic Information Systems. Real-time and Embedded Systems. Artificial Intelligence and Image Processing Systems. Health, Social and Human Sciences Systems. Software and Systems for Domestic,

	Commercial and Industrial Robotics.
Legal and Professionals Aspects:	Professional, Ethical, Social and Legal Aspects,. Audit and Expert Report. Contracts. Patents and Licenses. Practice and Professional Ethics. Environmental Management, Environmental Protection. Labour and Commercial Laws. Social Networks and the Internet.
Databases:	Database and XML. Web Databases. Temporary, Spatial and Spatial-Temporary Databases. Text Databases and Multimedia. Data Mining. Data Warehouse. Design, Administration and Management of Databases. Database Models. Practice of Information Management. Theory of Information Management
Engineering Education:	Application of Information and Communications technologies (ICT) Developments to Education. Contributions to Curriculum Innovation. Professional Educator's competencies in the Area of Informatics and Information Systems. Massive Online Open Courses (MOOC). Teaching Experiences. Innovative Experiences and Methodologies. Games applied to Education. Virtual Laboratories. Innovative Methodologies. New Models and Educational Strategies. Collaborative Processes. Retention and Motivation.
Project Management:	Project Resource Management. Software Engineering Economy. Project Estimation. Project Formulation and Evaluation. Project Management: Concepts, Tools and Techniques. Configuration Management. Information Systems Organization Management. Risk Management. Project Management Office - PMO. Projects and Processes. Organization's Strategic Vision and Business Model.
System and Software Engineering:	System Management. System Architecture. Software Quality. E-commerce. Software Development. Information Systems and Software Design.

	<p>Software Evolution (Maintenance). Requirement Management. Reverse Engineering. System Integration. Human-Machine Interaction. Analysis and Design Methodologies. Software Metrics. Modelling, Simulation and Evaluation of Information Systems. Business Process Models. Software Patterns and Architectures. Software Development Process. Web Systems Integration. Distributed Systems. Decision Theory. Software Verification and Validation. Visualization and Computer Graphics.</p>
<p>Networks - Operating Systems - Fundamentals of Informatics:</p>	<p>Administration and Monitoring of Networks and Services. Network Configuration and Use. Devices and Links. Principles and Design Based on Networks. Protocols and Services. Mobile and Wireless Networks. Information and Communication Theory. Digital Processing of Signals. High Performance Computing. Configuration and Use of Operating Systems. Technology Platforms. Principles and Design of Operating Systems. Distributed Systems. Middleware. Analysis and Design of Algorithms. Automata, Grammars and Formal Languages. Computational Complexity. Discrete Structures. Symbolic Logic. Discrete Mathematics. Paradigms and Programming Languages. Theory of Computation and Computability. General Systems Theory.</p>
<p>Computer Security:</p>	<p>Analysis of Attack Techniques and Intrusion Detection. Analysis and Detection of Vulnerabilities. Data Encryption. Incident Management and Contingency Plans. Deployment and Management of Security in Information Systems. Infrastructure for Digital Signatures and Certificates. Security in Databases. Security in Social Networks and on the Internet. Techniques of Access Control and Authentication.</p>