

The 7th International Conference in Software Engineering Research and Innovation

3rd National Congress of Measurement and Estimation of Software

23th - 25th of October. Palacio de Minería, UNAM. Mexico City

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The 7th International Conference on Software Engineering Research and Innovation (CONISOF 2019) and the 3rd National Congress of Measurement and Estimation of Software (CNMES2019) will be held in Mexico City (CDMX), Mexico on October 23-25, 2019. The aim of the conference is to bring together practitioners and researchers from academia, industry and government to advance the state of the art in Software Engineering, as well as generate synergy between academia and industry to define an agenda for collaboration to support and promote the development of the software industry in México and at the international level. Papers that combine theory and practice in Software Engineering are especially welcome.

The topics for this edition are listed below, but are not limited to these:

1. Core themes:

- Requirements engineering.
- Systems modeling: languages, mechanisms of formalization.
- Architecture and software design.
- Models and quality systems.
- Process models.

2. Empirical Software Engineering:

- Empirical Methods.
- Statistical Methods and Measurement
- Simulation Methods.
- Missing Data in Software Engineering.
- Experimentation in Software Engineering.
- Human Factors in Software Engineering.

3. Formal methods:

- Theoretical basis for software engineering.
- Formal methods for software engineering.
- Experimental evaluation and validation.
- The split between industry practice and academic research.

4. Trends in Software Engineering:

- Construction of complex systems: recommendation systems.
- Software engineering for very small mobile software applications and context, and very large software ecosystems.
- Modeling and knowledge management.
- Support methodologies: agents-based methodologies, natural language processing, machine learning.

5. Software Engineering for Cloud Computing,

- Big Data, Social Computing.

6. Interaction with other disciplines:

- User-centered design: human-computer interaction, usability engineering.
- Social Issues in software engineering: psychology, sociology.

7. Software metrics:

- Software measurement.
- Software projects estimation.
- Software quantitative evaluation.

Participation modalities (types of works):

- **Track 1:** Scientific papers (original research, basic and experimental). Papers written in English or Spanish. Works will be presented as long papers (up to 10 pages.)
- **Track 2:** Teaching experiences. Papers written in English or Spanish. Works will be presented as short papers (up to 6 pages.)
- **Track 3:** Emerging works: Papers describing works that are at an early stage of the investigation. Papers written in English or Spanish. Works will be presented as short papers (up to 6 pages.)
- **Track 4:** Industry experience: papers (situations experienced in the industry, success stories). Papers written in English or Spanish. Works will be presented as short papers (up to 6 pages.)
- **Track 5:** CNMES2019: Papers (original research, basic and experimental) up to 10 pages, Industrial case studies related to formal metrics, mainly functional size measurement and estimation, up to 6 pages.

Papers must be original works, not have been published before, nor subjected simultaneously to other events. Submitted papers will be evaluated by an international technical committee composed of renowned researchers and professionals, which can be consulted in the Web site of the conference.

If required, in this edition we will be allowing virtual presentations for international authors.

EXTENDED

<http://conisof.org/2019/>

Submission Deadline: June 16, 2019

Languages:

Papers will be presented in English or Spanish.

Paper publication:

(a) Accepted papers in English, from **Track 1**, will be submitted for inclusion in IEEE Xplore and other indexing databases.

(b) Accepted papers, from **Tracks 2, 3, 4 and 5** (and Spanish papers from **Track 1**), will be integrated and published in the indexed journal Abstraction & Applications. In addition, we have secured a special issue – post-conference – in the Revista Iberoamericana de Automática e Informática industrial*.

(c) Based on the quality of the submissions, we are considering publishing best papers in a post-conference special book in Springer*.

* The post-conference publication could require an additional payment to the editorial. Authors will be required to provide expanded versions of their submissions, which will undergo an additional review process for inclusion in the special edition.

Paper structure:

The characteristics of the types of works and their structure can be consulted in the Web site of the conference. To prepare your paper, please use the template from: http://conisof.org/2019/public/#final_version

Submission:

- Please submit a blinded version of your paper with no authors details.
- Be aware that papers must be consistent and remain in the language originally submitted (English or Spanish)
- For paper submission please visit the link: <https://easychair.org/conferences/?conf=conisof2019>

Important dates:

June 16, 2019: Paper submission

July 22, 2019: Notification of acceptance

August 25, 2019: Sending final version

August 24, 2019: Registration (early)

October 23-25: CONISOF 2019

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CONISOF 2019 is promoted by the Mexican Thematic Network of Software Engineering (Red Temática Mexicana de Ingeniería de Software) integrated by the following universities:

- Universidad Autónoma de Baja California,
- Universidad Nacional Autónoma de México,
- Universidad Autónoma de San Luis Potosí,
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