Call for Contributions

Submission:
1. Inform the Chairs: with the Title of your Contribution
2. Submission URL:
https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ICSEA+2019+Special
Please select Track Preference as **AI4SE**

Special track

AI4SE: Artificial Intelligence for Software Engineering

Chairs and Coordinators

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along with
ICSEA 2019, The Fourteenth International Conference on Software Engineering Advances
November 24, 2019 to November 28, 2019 - Valencia, Spain
https://www.iaria.org/conferences2019/ICSEA19.html

Recent advances in Artificial Intelligence (AI), especially in Deep Learning and Machine Learning, have attracted multiple attentions from academia and industry. The use of AI has been widely adopted in different areas of software engineering such as building software systems, validating code modules, debugging, code generation, and evaluating software quality. As a result, software development tasks, when leveraging the advantages from AI-based assistance, often lead to more efficient and higher quality end products.

In the other direction, due to the increasing needs of AI-based systems in the industry, the quality assurance of AI-based methods and systems has become increasingly important.

This special track aims to provide a forum for researchers and practitioners to present and discuss new ideas, trends and results concerning the application of AI-based methods to software engineering in different domains such as education, FinTech (Financial Technologies), etc.

Topics include, but not limited to:

- Applications of machine learning to software analysis, verification, validation, and software quality evaluation
- Natural language processing for code analysis and requirements extraction
- Validation and verification of learning systems
- Human-machine collaboration for software systems
- Automated machine learning
- Scalable infrastructure for machine learning
- Integration of learning systems in software ecosystems
- Design of safety-critical learning software
- Requirements engineering for machine-learning systems
- Prediction models to support software quality and performance evaluation
- Analysis of software repositories and multi-source data

- Decision support and analysis in software quality
- Machine Learning in FinTech software systems

Important Datelines

Inform the Chair (see Contacts below): as soon as you decide to contribute
Submission: Sep 18, 2019
Notification: Oct 17, 2019
Registration: Oct 27, 2019
Camera-ready: Oct 27, 2019

Contribution Types
- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Paper Format
- See: http://www.iaria.org/format.html
- Before submission, please check and comply with the editorial rules: http://www.iaria.org/editorialrules.html

Publications
- Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org
- Print proceedings will be available via Curran Associates, Inc.: http://www.proceedings.com/9769.html
- Articles will be archived in the free access ThinkMind Digital Library: http://www.thinkmind.org

Paper Submission
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Registration
- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at http://www.iaria.org/registration.html

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