

Date:
24 September 2019 to 27 September 2019
Location:
San Diego, California, USA

This workshop invites papers discussing topics related to teaching methods, platforms and best practices in the areas, listed below, applied to one of the fields (Cloud Computing, DevOps, Big Data, Data Science) or closely related to them.

Topics

- novel or updated curricula reflecting continuously developing technologies
- novel or updated teaching methods, e.g. Bloom's taxonomy for new types of Data Science and Big Data courses, flipped classroom, etc
- review and presentation of novel teaching materials
- review of methodologies
- characterization of domain knowledge (Body of Knowledge)
- adoption as a part of institutional strategies
- review and analysis of existing practices in the design, implementation, and evaluation
- multimedia and interactive components in residential and online education, educational platforms, MOOCs and others
- cooperation between universities/academia and industry in delivering advanced education and leadership programs
- implementation reports and lessons learnt
- future trends and issues

Scope

The emergence of Data Science technologies that combine **Cloud Computing, Big Data and Data Analytics** technologies as specialized fields in computing is motivating development of new teaching methods in course design to provide education in the techniques and technologies needed to extract knowledge from large datasets in virtualized environment. In current literature there is a lack of well-articulated learning resource for beginners that would integrate administrative, programing, and algorithm design aspects of related domains. We believe it is important to allow students, researchers, and professionals to understand cross-domain aspects of these challenges before they embark on further exploration of these fields.

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The workshop will be organizationally sponsored by the EDISON Initiative supported by the partners of the EDISON project, which was funded by the European Community to coordinate Data Science curricula development in Europe and internationally.

We plan to accept a small number of high-quality contributions for presentation during the workshop. At the end of the workshop, a forum discussion is planned to debate on future directions of curricula and teaching methods in Data Science, Big Data, and Cloud Computing

Read more information on the workshop website

Paper deadline - **30 June 2019** - ***it will be extended***
Notification of acceptance: 7 July, 2019
Camera-ready version: 15 July 2019 (please check main eScience 2019 website)

Submissions and Notes

Submissions are accepted on **EasyChair** (open since 1 May 2019)

Authors are invited to submit papers containing unpublished, original work (not under review elsewhere) of up to 6 pages of double column text using single spaced 10 point size on 8.5 x 11 inch pages, as per IEEE 8.5 x 11 manuscript guidelines. It might be possible to purchase additional pages from conference organizers (see details on the conference website).
Templates are available from **IEEE.org website HERE**

Authors should submit a PDF file. Papers conforming to the above guidelines can be submitted through the workshop's EasyChair submission system. At least one author of each accepted submission must attend the workshop and all workshop participants must pay at least the CloudCom 2018 workshop registration fee.

All accepted papers will be published by the IEEE. All presented papers will be subject to peer review process.

Organizers

Tomasz Wiktorski, University of Stavanger, Norway (tomasz.wiktorski AT uis.no)
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