Call for Papers

1st International Workshop (DSEDU 2018)
Data Science EDUcation: Challenges, Opportunities and Trends

Co-located with the 14th International Conference
on ICT in Education, Research, and Industrial Applications:
Integration, Harmonization, and Knowledge Transfer (ICTERI 2018)

May 14, 2018, Kyiv – Ukraine

DSEDU 2018 at a Glance
The aim of the Workshop is to discuss the current situation in Data Science (DS) education and specially challenges and expectations for DS education and profession; new opportunities those challenges bring both to universities and ICT industry; and future trends in the field.
The Workshop will be of interest to program administrators who run or think about opening DS program, faculty members who teach at such programs and those in the industry that do DS research and are interested in the subject.

DSEDU is an annual peer-reviewed international workshop which is designed to share experiences and find solutions in the very interdisciplinary and fast changing field of DS education.
DSEDU will provide authors an opportunity (a) to discuss and test their ideas and/or solutions related to DS education and (b) to find new contacts and collaboration opportunities.
The program of the Workshop will include an invited talk, a panel discussion, contributed presentations of the accomplished work and work in progress. The workshop will be half day.

Important Dates
(23:59 Hawaii time)
Monday, 26.03.2018 – paper submission
Monday, 16.04.2018 – acceptance notification
Monday, 23.04.2018 – submission of camera ready papers / reports
Monday, 30.04.2018 – registration deadline
Monday, 14.05.2018 – workshop day

No Fees
The Workshop, does not charge any conference fee. Participation is FREE, expenses are covered by ICTERI 2018 sponsors.

The Scope of DSEDU
Data Scientist became one of the hottest job titles at wide range of professions and, at the same time, it still is poorly defined. Partially, it can be explained by the novelty of the term, partially - by the interdisciplinary nature of the term. In the academic community at broad, there are divergent views on whether Data Science should be a separate discipline, or it better fits, as a branch, to Computer Science, or Statistics, and/or Mathematics, also facilitated by business thinking.
The workshop intends to discuss several important issues related to DS education:
(i) Do universities need to have separate DS programs or such programs can be part of already existing programs in Computer Science or Statistics and/or Mathematics?
(ii) What is an appropriate level of education regarding DS: bachelor, master or doctoral?
(iii) What are the entry knowledge needed to get enrolled to a DS program at every potentially possible level?
(iv) What are the consequences of data-driven decisions and actions and how to teach ethical issues of a DS-related job?
(v) What are the underlying trends in a Data Scientist profession that need to be addressed in DS programs?
The workshop invites the submissions that discuss case studies and/or new methodological approaches, formal and informal education, academic and corporate education, onsite and online education, surveys and visionary trends in DS education.

Submission Types and Requirements
We are looking for submissions of the following types: discussion, survey, or problem analysis papers and/or Industry and Education experience reports. See ICTERI Call of Papers for details.

Submission Instructions and Publication
The language of the Workshop is English. All submissions shall be annotated by the key words/phrases freely chosen by the authors. At least three and at most five key phrases should be provided.
All submissions must comply with the Springer CCIS format guidelines. Formatting instructions and template as well as submission guidelines are provided for your convenience at the ICTERI 2018 web site: http://icteri.org/icteri-2018/
Submissions must be made in .pdf by using EasyChair System: https://easychair.org/conferences/?conf=icteri2018. Please submit your paper to the DSEDU 2018 Workshop Track.
The papers accepted for DSEDU will be published as a part of the proceedings of ICTERI 2018 online at CEUR-WS indexed by Scopus.
The best Workshop papers selected by the ICTERI 2018 Steering Committee may be invited to be revised and extended for the ICTERI post-proceedings volume. The post-proceedings of ICTERI are traditionally published by Springer Communications in Computer and Information Science (CCIS) series.

Evaluation and Presentation
Every submission will be evaluated by at least three members of the DSEDU Program Committee. Based on evaluation results, the best papers will be accepted for their presentation at the workshop.
It is strongly required that at least one author of an accepted paper attends the workshop in person and presents their paper. Workshop organizers will withdraw the paper from the publication in CEUR-WS proceedings if the author(s) do not attend the workshop.
Chairs
Yaroslav Prytula, Ukrainian Catholic University, Ukraine
Mari Carmen Suárez-Figueroa, Universidad Politécnica de Madrid, Spain

Program Committee Members
Oleksiy Molchanovskyi, head of MSc program in Data Science, Ukrainian Catholic University, Ukraine
Artem Chernodub, researcher at Institute of Mathematical Machines and Systems Problems NASU, Ukraine
Serhiy Shelpuk, head of Data Science at Eleks, Ukraine
Dmytro Fishman, assistant of Data Science and Junior Research Fellow in Bioinformatics, University of Tartu, Estonia
Yuriy Tymchuk, data Scientist at Swisscom, Switzerland

How to Get to Kyiv
Kyiv is the capital and a major cultural and touristic venue in Ukraine. The city is easily reachable from all major European air hubs through its Borispil International Airport (http://kbp.aero/en). More details are available at the Conference Venue web page (http://icteri.org/icteri2018-conference-venue/).