Call for Participation

(full travel & accommodation funding available)

UK-Russia Workshop on AI for Software Engineering (AISE)

York, UK, Sept 9-12, 2019
http://aise.research.jetbrains.org/
Sponsored by the British Council

OVERVIEW:

Software Engineering (SE) is a central driver of modern economies. However, there is a shortage of skilled programmers which slows down the growth of the industry. If the SE process could be made more efficient and semi-automated, the valuable time of the engineers could be spent on more creative aspects of development.

This workshop will bring together AI and SE researchers from the UK and Russia (and potentially other countries) to discuss applications of AI to SE, specifically ML and NLP, and develop future directions of research in this emerging area. Application examples include program analysis (e.g. extracting knowledge from documentation, code reuse), prediction (e.g. finding defects, predicting development time and cost), synthesis and generation (e.g. smart code completion), and transformation (e.g. software remodularization, automated bug fixes).

To date, there are first successes in AI for SE, but much more can be achieved. Progress is slowed by the lack of researchers with expertise in both areas. Bringing together AI and SE researchers will be instrumental in moving this research forward. The four-day workshop will feature tutorials and keynote lectures, but most of the time will be dedicated to networking and creation of new collaborative projects. Please see the workshop web page for more information on the program.

PARTICIPATION:

Participation is by application only. There are 40 fully funded places for researchers with a PhD or equivalent degree (20 for researchers from the UK, and 20 for researchers from Russia). Funding covers travel and accommodation. There is a limited number of unfunded places available for researchers from other countries. However, registration is free for everyone.

The target audience are researchers at all career stages interested in the intersection of AI and SE, and who are experts in one of these or a related area.

Applicants are requested to submit a 1-page cv, a 1000-character statement of interest, and a list of up to 5 relevant publications. Please apply via the workshop web page (http://aise.research.jetbrains.org/). Early career researchers are encouraged to apply.

For questions, please contact Daniel Kudenko (daniel.kudenko@york.ac.uk).

APPLICATION DEADLINE: 26 May 2019

NOTIFICATION of ACCEPTANCE: 19 June 2019

ORGANIZATION COMMITTEE

- Dmitry Koznov, Saint Petersburg State University, Russia (co-chair)
- Daniel Kudenko, University of York, UK (co-chair)
- Pavel Braslavski, Higher School of Economics, St Petersburg, Russia
- Timofey Bryskin, Saint Petersburg State University, Russia
- James Cussens, University of York, UK
- Suresh Manandhar, University of York, UK
- Aleksei Shpilman, Higher School of Economics, St Petersburg, Russia