

Seminarium Departamentu Badań Układów Złożonych

Miejsce: Sala nr 404; Warszawa ul. Ludwika Pasteura 7

Data: 15 marca 2019, godzina 15:00

" SCIENTIFIC COMPUTING, MACHINE LEARNING, BIG DATA from Nordic and Finnish perspective"

Prelegent: dr Tomasz Mańkiewicz (CSC - IT CENTER FOR SCIENCE LTD., Finlandia)

Streszczenie:

First part of my talk:

Finland procured a new supercomputing infrastructure that will provide the researchers with European leading computing capacity and all-new capabilities. The new supercomputer provides researchers with six times more the capacity than currently and enable researchers to, e.g., predict climate change and its effects, go deeper into the quantum mechanical world, solve problems around renewable and fusion energy, utilize Artificial Intelligence (AI) to develop new medical treatments, and solve other computationally intensive problems. New solutions will be introduced for handling large and complex scientific data. The setup will also include a solution dedicated to advanced AI research. In this presentation, the new infrastructure will be presented.

Second part of the talk:

NeIC is a joint initiative between the Nordic countries, hosted by NordForsk since January 2012. NordForsk appoints the NeIC Board based on nominations by the national e-infrastructure provider organisations in the Nordics.

The path towards becoming a global role model for cross-border e-Infrastructure services will be described. It includes organizing Nordic activities regarding science, computing and data-storage infrastructure into projects, prioritizing and coordinating Nordic collaboration projects, strategic decisions regarding those and reacting on upcoming opportunities. Pros and cons of joint Nordic efforts will be discussed.