PhD position in intersection of physics and machine learning

Position: PhD (3 years)

Application deadline: May 31, 2019

Research group: Quantum Research Group, School of Chemistry and Physics, University of KwaZulu-Natal (UKZN), Durban, South Africa (https://quantum.ukzn.ac.za/)

Keywords: Machine learning, data mining, physics

We are seeking a self-motivated PhD student with a background in science and excellent computer and programming skills. The student will work in the *Big Data for Science and Society* collaboration, which is one of UKZN's flagship projects to foster interdisciplinary research in the area of big data and informatics.

The successful candidate will work at the intersection of machine learning and (quantum) physics, with ample opportunity for other cross-disciplinary projects. The particulars of the research will be adapted to the student's skills sets and interests, but should have a prominent component of data analysis and coding.

Applicants must have:

- a strong background in computation and programming,
- a MSc in a STEM or STEM-related area (preferably),
- good social and communication skills,
- a strong academic record,
- commitment and motivation.

A full bursary is available.

Please send your applications to Dr Maria Schuld schuld@ukzn.ac.za.