Academic/industrial postdoctoral researcher (PoDoCo) in

High-energy gamma ray imaging

NeutronGate is a young Finnish company developing neutron-based characterization technology and services for different fields of application. The Helsinki Institute of Physics develops novel instrumentation for nuclear safety and security that involves the detection of gamma rays, with an emphasis on high-energy gamma ray imaging.

The Helsinki Institute of Physics and NeutronGate plan to apply for a PoDoCo (Post Docs in Companies) research project. The PoDoCo program is a joint initiative of Finnish universities, industry and foundations, aiming to promote academic research that supports the competitiveness and strategic renewal of Finnish companies, as well as the employment of young doctors in industry.

We are looking for an enthusiastic young researcher to prepare with us a research proposal on high-energy gamma ray imaging to be submitted to the PoDoCo program in Autumn 2018. If approved, the PoDoCo project comprises a one-year research grant at the Helsinki Institute of Physics, followed by one-year of employment by NeutronGate. In case of good performance, this may lead to a permanent position at NeutronGate.

The PoDoCo program (podoco.fi) is available to researchers who have obtained a PhD degree within the past 4 years, or will soon obtain a PhD degree. If you have experience in radiation detection and data analysis, and have an interest in being part of an innovative startup company, please contact us for further information. Experience or background in applied physics, experimental work on radiation detectors, coding, machine learning, MCNP/GEANT simulations or tomographic image reconstruction is considered an advantage.

If you have an interest in preparing with us a PoDoCo research proposal on high-energy gamma ray imaging, please send your CV and a research statement to one of us by July 31, 2018.

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