

Advertisement: Post-doctoral researcher in trapped-ion physics

The University of Stellenbosch is searching for outstanding Post-Doctoral Researcher candidates to conduct research in ultra-cold trapped-ion physics, on projects including quantum feedback control and state estimation using weak measurement, as well as quantum simulation of non-equilibrium systems.

The ideal candidate will have excelled in a PhD in a world class ultra-cold atomic or ultra-cold ion physics group. Recommended background includes standard theoretical and experimental tools of ultra-cold physics, which may cover atomic physics, laser physics, classical optics, quantum optics, theory of open quantum systems, numerical modelling of quantum systems, basic RF engineering techniques, digital electronics, computer automation and control, ultra-high vacuum techniques, and CAD design. Preference will be given to candidates with a proven publication track record of publications in competitive peer-reviewed journals. Research will be conducted at the department of physics of the University of Stellenbosch, Stellenbosch, South Africa.

Please forward the following information to HERMANN@sun.ac.za

- A CV and cover letter
- Two letters of recommendation from previous supervisors or lecturers
- Copies of academic qualifications
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Closing date: 31 May 2015