



Complex Systems Group
Institute for Ion Physics and Applied Physics
University of Innsbruck
Austria

Vacancy:

Postdoctoral researcher in computational plasma dynamics

The Complex Systems Group (www.uibk.ac.at/ionen-angewandte-physik/compsys) at the University of Innsbruck, Austria, is looking for a postdoctoral researcher in computational plasma dynamics.

We are seeking a postdoc with knowledge in computational plasma physics to co-develop and apply driftfluid, gyrofluid and/or gyrokinetic models in the framework of the project "Turbulence in the Edge of Magnetised Plasmas: Emergent Structures and Transport". The TEMP:EST project is directed towards investigation of multi-scale turbulence and emergent structures (in particular interactions between drift wave turbulence, zonal flows, geodesic acoustic modes and edge localised ideal ballooning modes) in magnetised fusion plasmas by advanced methods of theory, high-performance numerical simulation and experimental comparison.

The appointment will be fixed term for two years starting at 1.4.2009 or later, with the possibility of extension for a third year. The gross salary is EUR 3'025,90 per month before tax (paid 14 times a year).

The candidate is required to have a PhD degree or equivalent in an area relevant to high-temperature plasma physics. Knowledge on magnetised plasma physics, nonlinear dynamics and computational physics is expected. Previous experience with (parallel) high-performance computing and fusion plasma turbulence would be helpful.

Please send your application preferably electronically (including CV, list of publications; total size less than 4 MB) to Alexander Kendl at jobs@plasmaphysik.at until 28.2.2009. Please arrange for two letters of recommendation to be sent to the same address. Address: PD Dr Alexander Kendl, Institute for Ion Physics and Applied Physics, University of Innsbruck, Technikerstr. 25, A-6020 Innsbruck, Austria.