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Letter of Recommendation for Dr. Uwe Filges

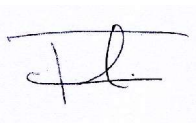
I am writing this letter to recommend Dr. Uwe Filges for a permanent position at PSI. I've known Uwe since year 2002 when he started to participate in the SCANS FP5 European network, promoting the *NeXus* data format. Even though this format is used natively at PSI, turning other neutron scientists to use it requires a substantial effort. And he indeed achieved an impressive work in order to convince them through many language interfaces and talks. I could directly work with him at this time during an efficient 'brainstorming' session at PSI in order to include *NeXus* data format into the *McStas* instrument simulation package.

Then he turned to instrument simulations, and more particularly to the simulation of the FOCUS instrument at PSI. His latter simulation, using the *McStas* and *Vitess* packages, could reproduce measurements on the instrument in absolute flux, which is exceptional enough to be mentioned. Reaching this level of accuracy requires to master all aspects of neutron scattering instruments, from the source and moderators, to the guides, the neutron optics, the neutron scattering processes at the sample, and the detector geometry to produce the measured signal. Both simulations and instrument simulation components of his own have been actively contributed to the *McStas* package. I would thus say that Uwe masters many aspects of scientific computing, from the data format definition, its various implementations, to instrument simulations and design. He now brings his knowledge to the MCNSI-JRA-NMI3 FP6 European network.

In all his work, Uwe has shown a particular skill in guessing and understanding what is best adapted to satisfy the neutron scientists requirements. He has an accurate, rigorous and concentrated work style which is essential in producing quality scientific computing support and tools. In summary, his ability to participate actively into international projects and teams, his computing and neutron scattering qualifications are of great value for every scientific computing group he is working with.

If you have any questions, or would like additional information, please do not hesitate to contact me.

Sincerely,



Dr. Eng. E. Farhi,
Computer Scientist, I.L.L.

