

## R&D Services

The following list covers the services, which can be made available at the PSI research facilities. For information on specific topics please contact the the corresponding transfer officer.

Titel	Kontakt
Non-destructive testing using neutron radiography	<b>S. Otto</b> <sup>[1]</sup>
Visualisation of fluid dynamics using neutron radiography	<b>S. Otto</b> <sup>[2]</sup>
Proton-Irradiation-Facility (PIF)	W. Hajdas
Material analysis with synchrotron radiation	<b>R. Rudolph</b> <sup>[3]</sup>
Muon Spin Rotation, Relaxation, or Resonance (mSR)	<b>S. Otto</b> <sup>[4]</sup>
Analyses of metal corrosion under mechanical and thermal load	<b>P. Hardegger</b> <sup>[5]</sup>
Post-Irradiation examination of nuclear fuels and components	<b>P. Hardegger</b> <sup>[6]</sup>
Facilities for electrochemical investigation	<b>A. Waser</b> <sup>[7]</sup>
X-ray absorbtion spectroscopy for in situ investigation of energy and material cycle processes	<b>A. Waser</b> <sup>[8]</sup>
Screening, characterizing and testing of commercial and proprietary catalysts	<b>A. Waser</b> <sup>[9]</sup>
Combustion diagnostics	<b>A. Waser</b> <sup>[10]</sup>
Reaction Analysis in combustion and high temperature reactors	<b>A. Waser</b> <sup>[11]</sup>
Lean Premixed Combustion	<b>A. Waser</b> <sup>[12]</sup>
Combustion fundamentals	<b>A. Waser</b> <sup>[13]</sup>
Exhaust Gas Aftertreatment	<b>A. Waser</b> <sup>[14]</sup>
Atmospheric chemistry	<b>A. Waser</b> <sup>[15]</sup>
Atmospheric chemistry research tools	<b>A. Waser</b> <sup>[16]</sup>
Radionuclides & position detection system	<b>P. Hardegger</b> <sup>[17]</sup>
Human performance analysis in safety and reliability studies	<b>P. Hardegger</b> <sup>[18]</sup>
Multi-disciplinary assesment of current and future energy systems	<b>P. Hardegger</b> <sup>[19]</sup>
Energy and economic modelling related to multivariable constraints	<b>A. Waser</b> <sup>[20]</sup>
Modelling of emissions and immissions on specific landscapes	<b>P. Hardegger</b> <sup>[21]</sup>
Simulations of thermal-hydraulics in systems with several containers	<b>P. Hardegger</b> <sup>[22]</sup>

Safety analyses of nuclear power plants	<b>P. Hardegger</b> <sup>[23]</sup>
Electrical circuits for applications in the range of nano-seconds	<b>A. Waser</b> <sup>[24]</sup>
Laser welding	<b>A. Waser</b> <sup>[25]</sup>
Micro- and nano-structuring techniques : Equipment	<b>R. Rudolph</b> <sup>[26]</sup>
Micro- and nano-structuring techniques : Electron beam lithography	<b>R. Rudolph</b> <sup>[27]</sup>
Residual stress and strain analysis using diffractometer (POLDI)	<b>S. Otto</b> <sup>[28]</sup>
Material analysis in mesoscopic size (1 - 400nm) using Neutrons (SANS)	<b>S. Otto</b> <sup>[29]</sup>

**URLs:**

- [1] : <http://www.psi.ch/industry/your-contact#StefanOtto>
- [2] : <http://www.psi.ch/industry/your-contact#StefanOtto>
- [3] : <http://www.psi.ch/industry/your-contact#RobertRudolph>
- [4] : <http://www.psi.ch/industry/your-contact#StefanOtto>
- [5] : <http://www.psi.ch/industry/your-contact#PeterHardegger>
- [6] : <http://www.psi.ch/industry/your-contact#PeterHardegger>
- [7] : <http://www.psi.ch/industry/your-contact#AlfredWaser>
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