

<p><b>CM</b> <b>Computational Materials Design</b> Prof. J. Neugebauer</p> <p><b>Computational Phase Studies</b> Dr. T. Hickel</p> <p><b>Computer Center</b> Dr. C. Freysoldt</p> <p><b>Defect Chemistry and Spectroscopy</b> Dr. C. Freysoldt</p> <p><b>Electrochemistry and Corrosion</b> Dr. M. Todorova</p> <p><b>Materials Informatics</b> Dr. J. Janßen</p> <p><b>Microstructure and Mechanics</b> Prof. E. Bitzek</p> <p><b>Complex Concentrated Alloys</b> Dr. F. Körmann (guest group leader)</p>	<p><b>GO</b> <b>Interface Chemistry and Surface Engineering</b> N.N./Provisional Head: Prof. J. Neugebauer</p> <p><b>Atomistic Modelling</b> Prof. S. Wippermann (guest group leader)</p> <p><b>Corrosion</b> Dr. M. Rohwerder</p> <p>RUB-MPIE Junior Research Group <b>Spectroscopy at Electrochemical Interfaces</b> Dr. M. Rabe</p> <p><b>Surface Science for Future Materials</b> Dr. P. Jovičević-Klug</p>	<p><b>MA</b> <b>Microstructure Physics and Alloy Design</b> Prof. D. Raabe</p> <p><b>Atom Probe Tomography</b> Prof. B. Gault</p> <p><b>Mechanism-based Alloy Design</b> Dr. D. Ponge</p> <p><b>Microscopy and Diffraction</b> Dr. S. Zaefferer</p> <p><b>Microstructure and Interfaces of Battery Materials</b> Dr. Y. Joshi</p> <p><b>Theory and Simulation</b> Dr. F. Roters</p> <p>ERC Consolidator Grant <b>Hydrogen in Energy Materials</b> Prof. B. Gault</p> <p>Funded by DFG <b>Integrated Computational Materials Engineering</b> Prof. M. Diehl (guest group leader)</p> <p>Funded by ERC Advanced Grant <b>Sustainable Synthesis of Materials</b> Dr. Y. Ma &amp; Dr. I. Souza</p>	<p><b>SN</b> <b>Structure and Nano-/Micromechanics of Materials</b> Prof. G. Dehm</p> <p><b>Environmental &amp; Analytical Electron Microscopy</b> Dr. L. M. Vogl</p> <p><b>Hydrogen Mechanics and Interfaces</b> Dr. M. J. Duarte Correa</p> <p><b>Intermetallic Materials</b> Dr. F. Stein</p> <p><b>Mechanics at Chemical Interfaces</b> Dr. J. P. Best</p> <p><b>Nanomechanical Instrumentation and Extreme Nanomechanics</b> Dr. R. Ramachandramoorthy</p> <p><b>Quantitative Transmission Electron Microscopy</b> Dr. P. Schweizer</p> <p>ERC Starting Grant <b>Additive Micromanufacturing</b> Dr. R. Ramachandramoorthy</p> <p>Funded by ERC Advanced Grant <b>Atomistic Modelling of Material Interfaces</b> Dr. T. Brink</p>	<p><b>I</b> <b>Independent research groups, members and schools</b></p> <p>Independent Max Planck Research Group <b>Nanoanalytics and Interfaces</b> Prof. C. Scheu</p> <p>Max Planck Fellow Group <b>Electrochemistry and Nanoscale Materials</b> Prof. K. Tschulik</p> <p><b>International Max Planck Research School for Sustainable Metallurgy</b> Prof. E. Bitzek E. Lorenz</p> <p>Emeritus Group <b>Electrochemical Surface Science</b> Prof. M. Stratmann</p> <p><b>External Members</b> Prof. R. Kirchheim</p>
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**Scientific Service Groups**

<b>Hydrogen Laboratory</b> • Electrochemical and gas-phase hydrogen charging • Thermal desorption spectroscopy Dr. M. Rohwerder	<b>Materials Testing</b> • Mechanical & physical properties • Varying environments Dr. D. Ponge	<b>Metallography</b> • Light microscopy • Metallographic sample preparation • Scanning Electron Microscopy Dr. S. Zaefferer	<b>Synthesis and Processing</b> • Alloy production • Annealing and welding • Thermomechanical treatments Dr. D. Ponge	<b>X-Ray Diffraction</b> • XRD phase analysis • Pole figure and residual stress measurements • Advanced XRD techniques • Stress measurements B. Breitbach
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**Administration & Non-Scientific Service Groups – Dr. K. de Weldige**

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