

**CM**  
**Computational Materials Design**  
 Prof. J. Neugebauer

<b>Computational Phase Studies</b> Dr. T. Hickel	Funded by NWO <b>Complex Concentrated Alloys</b> Dr. F. Körmann (guest group leader)
<b>Computer Center</b> Dr. C. Freysoldt	
<b>Defect Chemistry and Spectroscopy</b> Dr. C. Freysoldt	
<b>Electrochemistry and Corrosion</b> Dr. M. Todorova	
<b>Materials Informatics</b> Dr. J. Janßen	
<b>Microstructure and Mechanics</b> Prof. E. Bitzek	

**GO**  
**Interface Chemistry and Surface Engineering**  
 N.N./Provisional Head: Prof. J. Neugebauer

<b>Atomistic Modelling</b> Prof. S. Wippermann (guest group leader)	RUB-MPIE Junior Research Group <b>Spectroscopy at Electrochemical Interfaces</b> Dr. M. Rabe
<b>Corrosion</b> Dr. M. Rohwerder	

**MA**  
**Microstructure Physics and Alloy Design**  
 Prof. D. Raabe

<b>Atom Probe Tomography</b> Prof. B. Gault	ERC Consolidator Grant <b>Hydrogen in Energy Materials</b> Prof. B. Gault
<b>Mechanism-based Alloy Design</b> Dr. D. Ponge	Funded by DFG <b>Integrated Computational Materials Engineering</b> Prof. M. Diehl (guest group leader)
<b>Microscopy and Diffraction</b> Dr. S. Zaeferrer	Funded by ERC Advanced Grant <b>Sustainable Synthesis of Materials</b> Dr. Y. Ma & Dr. I. Souza
<b>Microstructure and Interfaces of Battery Materials</b> Dr. Y. Joshi	
<b>Theory and Simulation</b> Dr. F. Roters	

**SN**  
**Structure and Nano-/Micromechanics of Materials**  
 Prof. G. Dehm

<b>Advanced Transmission Electron Microscopy</b> Dr. C. Liebscher	ERC Starting Grant <b>Additive Micromanufacturing</b> Dr. R. Ramachandramoorthy
<b>Intermetallic Materials</b> Dr. F. Stein	Funded by ERC Advanced Grant <b>Atomistic Modelling of Material Interfaces</b> Dr. T. Brink
<b>Mechanics at Chemical Interfaces</b> Dr. J. P. Best	Funded by ERC Advanced Grant <b>Hydrogen Mechanics and Interfaces</b> Dr. M. J. Duarte Correa
<b>Nanomechanical Instrumentation and Extreme Nanomechanics</b> Dr. R. Ramachandramoorthy	

**I**  
**Independent research groups, members and schools**

- Independent Max Planck Research Group  
**Nanoanalytics and Interfaces**  
Prof. C. Scheu
- Max Planck Fellow Group  
**Electrochemistry and Nanoscale Materials**  
Prof. K. Tschulik
- International Max Planck Research School for Sustainable Metallurgy  
Prof. E. Bitzek  
E. Lorenz
- Emeritus Group  
**Electrochemical Surface Science**  
Prof. M. Stratmann
- External Members  
Prof. R. Kirchheim

**Interdepartmental Groups**

- Funded by EIC  
**Artificial Intelligence for Materials Science**  
Dr. Z. Rao
- Computational Energy Storage Materials**  
Dr. Y. Bai & Dr. C. Liu
- Funded by EIC  
**High-Entropy Materials**  
Dr. L. Han
- Hydrogen Embrittlement in High-Performance Alloys**  
Prof. B. Sun
- Materials Science of Additive Manufacturing**  
Dr. R. Ramachandramoorthy & Prof. H. Springer

**Partner Groups**

- MPG Group  
**De Magnete Designing Magnetism**  
Prof. O. Gutfleisch
- MPG Group  
**High Temperature Materials**  
Prof. G. Eggeler
- MPG Group  
**Thin Film Materials Design**  
Prof. J. Schneider
- Max Planck Partner Group  
**Combinatorial Design of Permanent Magnets**  
Prof. K. G. Pradeep
- Max Planck Partner Group  
**Degradation of High Temperature Materials**  
Prof. S. K. Makineni
- Max Planck Partner Group  
**High Performance Materials for Harsh Energy Applications**  
Dr. J. Zavasnik
- Max Planck Partner Group  
**Properties of Decorated Grain Boundaries**  
Dr. H. Bishara
- Max Planck Partner Group  
**Stress and Defects Driven Phase Transformations**  
Prof. R. S. Meka
- RWTH Aachen University  
**Sustainable Materials Science and Technology**  
Prof. H. Springer

**Scientific Service Groups**

- Hydrogen Laboratory**  
• Electrochemical and gas-phase hydrogen charging  
• Thermal desorption spectroscopy  
Dr. M. Rohwerder
- Materials Testing**  
• Mechanical & physical properties  
• Varying environments  
Dr. D. Ponge
- Metallography**  
• Light microscopy  
• Metallographic sample preparation  
• Scanning Electron Microscopy  
Dr. S. Zaeferrer
- Synthesis and Processing**  
• Alloy production  
• Annealing and welding  
• Thermomechanical treatments  
Dr. D. Ponge
- X-Ray Diffraction**  
• XRD phase analysis  
• Pole figure and residual stress measurements  
• Advanced XRD techniques  
B. Breitbach

**Administration & Non-Scientific Service Groups – Dr. K. de Weldige**

- Accounting and Third Party Funds**  
M. Bosch
- Human Resources**  
J. Heisel
- Procurement**  
U. Theuerkauf
- Electronics**  
I. Gonzalez
- IT Services**  
R. McCormack
- Library**  
P. Siegmund
- Research Coordination Office**  
Dr. K. Hübel
- Event Management**  
H. Titchener
- Int. Max Planck Research School**  
E. Lorenz
- International Office**  
S. Zwaka
- Public Relations**  
Y. Ahmed Salem
- Research Funding**  
Dr. K. Hübel
- Technical Services incl. Mechanical Workshop**  
M. Winkler

**Boards & Representatives**

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- Disability Representative**  
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Coordinator: A. Schuck
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K. Angenendt