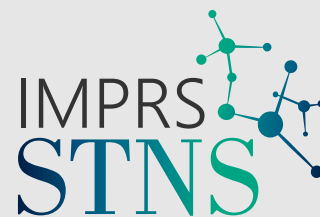
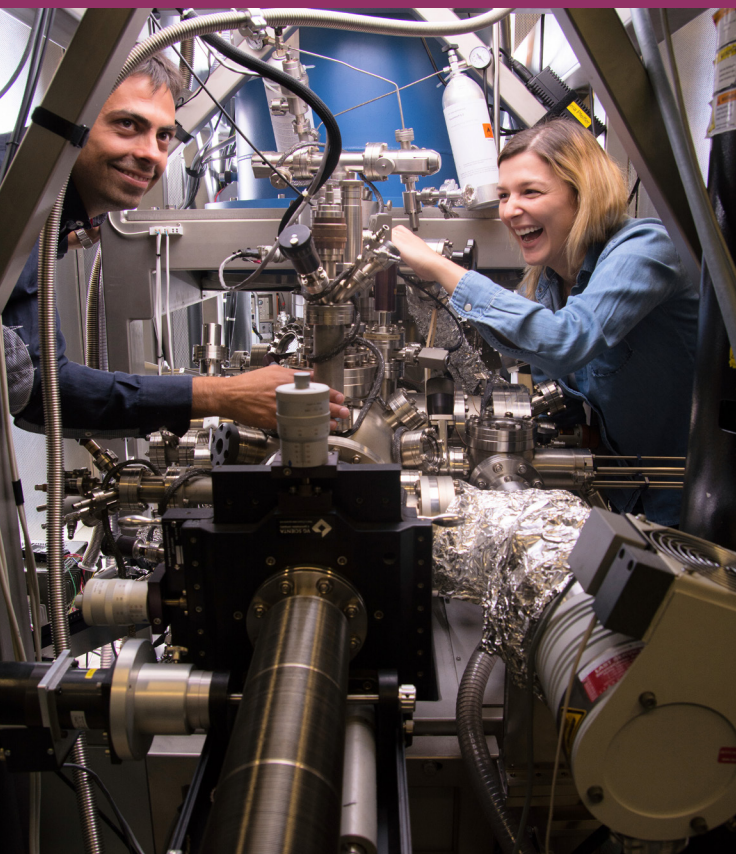


Concept

Since 2000, IMPRS stands for excellent research conditions, strong internationality, and a structured doctoral training program.

IMPRS-STNS offers innovative scientific, technical and complementary PhD training combined with an excellent research infrastructure.

Our training of junior scientists aims for high standards in supervision and outstanding career support.



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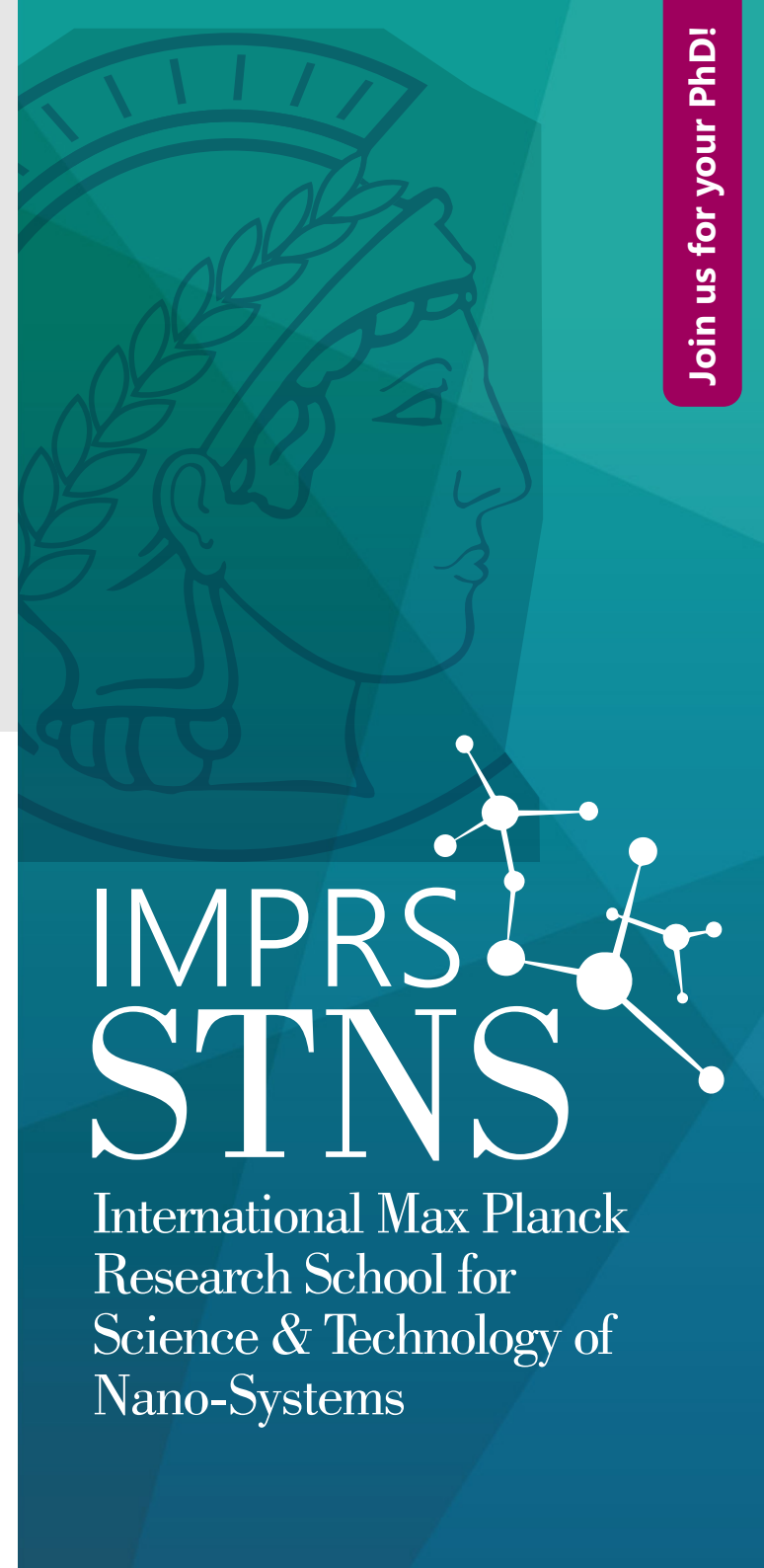
MPI of Microstructure Physics
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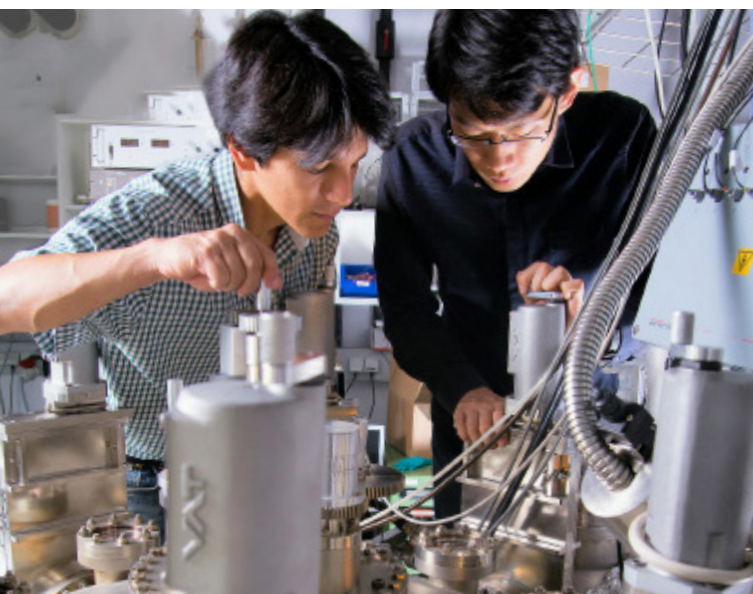
International Max Planck
Research School for
Science & Technology of
Nano-Systems



Research Areas

We focus on research into novel atomically engineered materials for nano-systems.

Spintronics | Oxides and Interfaces | Atomically Engineered Materials | Computational Materials Discovery | Cognitive Devices and Bio-Inspired Materials | Topological Materials | Non-Equilibrium Materials | Routes to Room Temperature Superconductivity



Training

The main goal of IMPRS-STNS is to provide excellent scientific training in combination with high-quality research. Besides that we are committed to offer excellent complementary training opportunities in a most flexible and individualized way to boost the future career of our PhD students in academia, industry, and beyond.

Our curriculum is based on:

High-Quality Research | Scientific Training Activities (e.g. seminars, lectures, retreats, secondments) | Thesis Advisory Committee (TAC) | Outreach (e.g. conferences) | Complementary Skills Courses

Supervision

PhD students of IMPRS-STNS are expected to finish their thesis within three years. The Max Planck guidelines for good doctoral training apply.

Hence, our PhD students benefit from more attention and receive individual supervision and mentoring. A fundamental characteristic of our supervision approach is carried out under guidance of two or more academic supervisors and one mentor.

Guidance of PhD students is guaranteed by discussing the project proposal, a personally and regular updated Career Guidance Plan (CGP) as well as by peer-supervision.



Application

We welcome applications from outstanding candidates continuously. Please visit www.mpi-halle.mpg.de/imprs-stns for more information.

Requirements

Applicants must hold or will obtain a Master degree (or equivalent) in Chemistry, Physics, Materials Sciences, Engineering or related fields with outstanding grades. A good command of the English language is required as English is the working language.

To assess the quality of exams, we follow international standards. To be considered for the program, the final grade of the degree must be equivalent to or better than the grade "good" (Master's degree at least 2.0) in the German educational system.