SUPER – Stuttgart University Program for Experiencing Research
Project Information

Institute's Information
Name of Institute: Institut für Technische Optik (ITO) - Institute of Applied Optics
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Duration of Project/Number of Students
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<th>Duration</th>
<th>Number of Students</th>
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<tr>
<td>June/July</td>
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<td>June/July/August</td>
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<td>Number of Students</td>
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Name of Project: Topics in Optical Design

Beneficial Skills & Knowledge
- Applied Mathematics, Basic Optics and Optical Design
  - Applied Mathematics: Experience in MatLab especially in Visualization is beneficial, but not required
  - Optical Design: Basic experience in optical design and simulation software, e.g. in ZEMAX, CodeV, or any other design-software is beneficial.

Description of Work
The institute offers a broad range of topics in optical design and simulation, ranging from imaging systems, to metrology systems and illuminations systems. Also methods in optical design and simulation are developed, e.g. aberration theory or phase space methods. Depending on the individual student skills and interest we will define a project within this area.