

# Optics

SKLPS is located on Downtown Campus of East China Normal University (Add. 3663 North Zhongshan Road, Shanghai, China), covering a 4000 m<sup>2</sup> area of experimental rooms together with a 2500 m<sup>2</sup> physical space for offices. Founded in 1986, the laboratory got the name “Open Research Laboratory of Quantum Optics” by the Ministry of Education in 1990. In a period of ten years, it established itself as “Key Laboratory of Optical and Magnetic Resonance Spectroscopy, Ministry of Education.” In 2007, it is authorized to be a state key laboratory by the Ministry of Science & Technology of the People’s Republic of China. Currently, SKLPS has been developed into a comprehensive scientific research institute with modern optics as the leading orientation, with exploration of significant fundamental science frontiers and development of large engineering techniques and pioneering laser and optoelectronic application as the focal point, and with high-tech innovation and basic research for application as the core mission.

Precision spectroscopy play an important role in improving the ability to explore the laws of nature and to solve the major needs of the country.“The history of physics shows that, when the accuracy of the measurements is improved, new physics may be discovered and explored.”---Nobel Prize Lecture 2005.The improvement on the accuracy of the precision spectroscopy lies in the temporal, spatial and spectral resolution, and detection sensitivity. SKLPS is knowledge-based and target-oriented so as to combine the benefits of a long term generic laboratory culture in the field of precision spectroscopy with the momentum and flexibility of more intensively focused projects of both fundamental and applied relevance. SKLPS has been primarily aiming at research in the spectroscopy with high sensitivity, resolution and precision. Three cornerstone areas of competence have been identified and are now serving as the backbone for projects as follows: 1. Precise control of the optical field in time and frequency domain;2. Precision spectroscopy of atoms and molecules;3. Ultra-sensitive spectroscopy。

<b>Campus</b>	Minhang Campus	<b>Degree</b>	Doctor of Science
<b>Length (year)</b>	4 Years	<b>Tuition</b>	35000RMB/Year
<b>Instruction Language</b>	English / Chinese	<b>Application Language Requirement</b>	Chinese -taught Programs: HSK5 级 ≥180 English-taught Programs: IELTS ≥6.0 / TOEFL ≥80 / Cambridge English ≥B2
<b>Classes Open to International Students Only</b>		NO	
<b>Graduation Requirement</b>	Complete the course study and earn the required credits, publish a		

	specified number of papers, and pass the thesis defense.
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**Major Courses**

Primarily engaged in scientific research and teaching in university or higher education institutions, research organizations, etc.

**After Graduation**

Primarily engaged in scientific research and teaching in university or higher education institutions, research organizations, etc.

**Scholarship**

Chinese Government Scholarship

Shanghai Government Scholarship

**Application Contact**

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