

Graduate Institute of Electro-Optical Engineering

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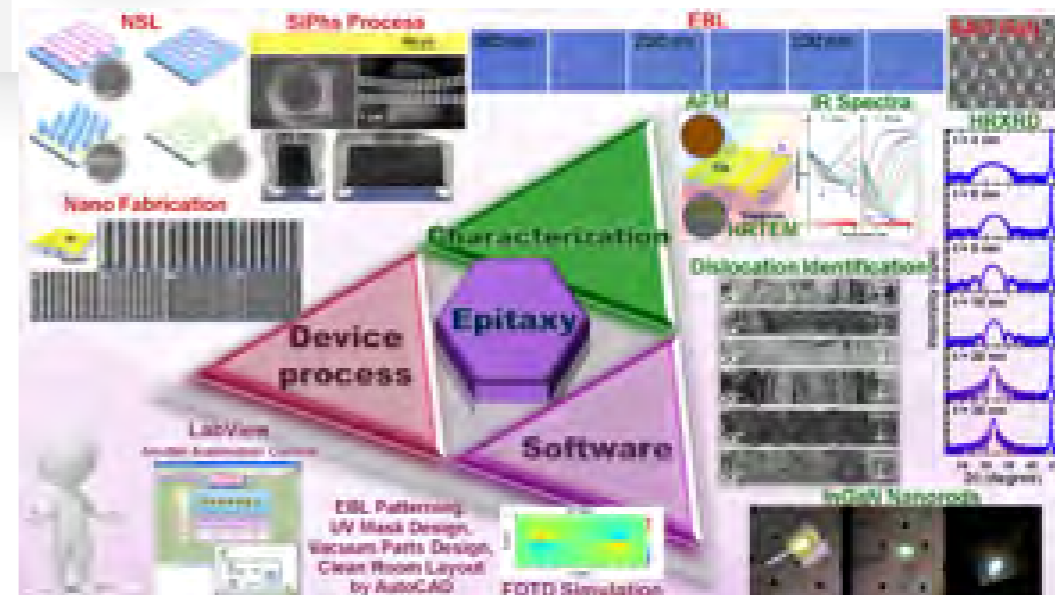
Introduction

The Institute of Electro-Optical Engineering (IEO) at NTNU provided the M.S. Program in 2001 under the College of Science. Then the Ph.D. Program was started in 2005, change to College of Technology and Engineering in 2018, and update the name "Electro-Optical Engineering" in 2019. There are 10 full-time teachers, 3 Chair professors, and The teachers have good achievements in papers, research projects, patents, industry-university-research cooperation, etc.

Two main research fields are included: (1)Novel Semiconductor Devices and Materials Engineering (Semiconductor Division),(2)Intelligent Systems Engineering (AI Systems Division)



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Instructional Goals and Objectives

The goal and objectives of Institute of Electro-Optical Engineering (IEO) at National Taiwan Normal University is training up the excellent manpower for optoelectronics industry.

Strengthen international academic exchanges and cooperation to open up international horizons and recruit foreign students.

Courses

Institute of Electro-Optical Engineering (IEO) provides courses for students committed to the research of both theoretical and applied photonics. The curriculum includes four required courses and more than sixty non-required ones. Two main research fields are included: (1)Novel Semiconductor Devices and Materials Engineering (Semiconductor Division),(2)Intelligent Systems Engineering (AI Systems Division)

Feature of the Curriculum

The course design two major fields of optoelectronic materials and biomedical optoelectronics, and focus on the theoretical basis of the core field.

There are some MOU and Student Exchange Agreements with relevant foreign schools and research institutions to provide students to study abroad.

Development

- 1.Industry: Students can work as a photoelectric engineer in a private company or a public company.
- 2.Education or Research: Students can work in faculty or do research in related fields.
- 3.Studying: After graduation, students can continue to pursue doctoral degrees in Taiwan or abroad.

