

Vision the National Institute of Laser Science, Cairo  
university

Aimed at the National Institute of Laser Science to lead the global and regional post-graduate education and research in the field of science development and laser applications in various community service

## About the National Institute of Laser Science, Cairo university

In the beginning of eighty's, it was envisaged National Institute of Laser Enhanced Sciences (NILES) as a project to establish a specialized Institute as a place where scientists could carry out advanced research activities in Laser Sciences and its Applications. A great effort has been devoted to get the consent and support from Cairo University, heads of states and government to put forward the views regarding the paramount importance of their collaboration that would benefit our country. After all sustained efforts and by the help of The Egyptian Ministry of Planning, a USAID non-refundable fund for the infrastructure and instrumentations of a highly advanced National Institute of Laser Sciences was granted.

The institute was established according to the presidential order # 287 /1994 inside the campus of the Cairo university in Giza. In March 1994, the inauguration of NILES was chaired, with great honor, by The Egyptian Nobel Laureate "Prof. Ahmed Zewil" and Prof. Lotfia El Nadi. Since then NILES has become an affiliate of Cairo University and offering postgraduate students with Diploma, Master and Ph.D. degrees in Laser Sciences and different Laser applications.

In order to cope with the great development in technology of laser, NILES has witnessed lots of progress and developments in laser sciences and technological advancements that extended to serve other related scientific fields like medical, biological, engineering, industrial, communication, agricultural, and environmental where laser implementations are applied. Also enrichments in post-graduate academic programs and basic scientific research have encountered a real revolution since the establishment of the Institute. The achievements during the past years have reflected the unique situation of NILES as a central scientific node among Arab countries as well as Middle East and African countries.

Address of National Institute of Laser Enhanced Sciences  
(NILES), Cairo University

Address of the Administration's Residence and Mailing Address  
Cairo University - National Institute of Laser Enhanced Sciences – Postal  
No. 12612

## About the National Institute of Laser Science, Cairo university

Goals of the Institute and its strategic objectives in phase (2010-2015) were specified to commensurate with the Institute mission and vision in order to maximize strengths and avoid weaknesses, benefitting from opportunities and confronting challenges, as well as taking into account supporting the competitive position of the Institute and working on increasing its own resources and the influence of Institute on the community.

Goal I: the quest for development and excellence in science research and laser applications:

- 1 / 1 a plan of research supports research inter-sections
- 1 / 2 raise the efficiency of laboratories and equipment
- 1 / 3 resettlement of laser technology in various fields
- 1 / 4 to improve the competitive position of the Institute of

Goal II: To provide a high level post-graduate education in science, lasers and applications:

Students:

- 2 / 1 to attract outstanding students and expatriates
- 2 / 2 raise the efficiency of Academic Advising

Educational Programs:

- 2 / 3 the development of existing programs
- 2 / 4 to establish new programs

Means of education:

- 2 / 5 to develop the library
- 2 / 6 student labs
- 2/7 development and modern teaching methods

Goal III: lifting capacity of human and material:

Faculty:

- 3 / 1 improve the performance of faculty members
- 3 / 2 developing the scientific structure of the Institute
- 3 /3 training and continuous evaluation

The administrative system:

- 3 / 4 to provide the laboratory technicians
- Three fifths raise the efficiency of administrative

- 3 / 6 restructuring the institute departments
- 3 / 7 to obtain ISO quality certification of the administrative system
- Increase the physical capacity of the Institute (infrastructure):
- 3 / 8 overall development of the Information Systems Institute
- 3/9 reform and maintenance of infrastructure

Goal IV: activating the national role of the Institute in community service:

- 4/1 develop a comprehensive plan to serve the community
- 4 / 2 improve the performance of the medical center and technological
- 4/3 increase societal awareness of lasers and the safety rules of its usage
- 4 / 4 to activate the role of the convoys of medical treatment

Goal V: Commitment to quality standards and ensure Istmraiyytha:

- 5 / 1 a plan for internal audits and continuous self-evaluation
- 5 / 2 to qualify for the adoption and get
- 5/3 the continued development of quality performance of the unit and activating its role in
- 5 / 4 to participate in the activities of quality at the university level
- 5 / 5 of continuous evaluation for the Unit performance and development
- 5 / 6 active involvement with departments and the Institute Vice Deans

## History the National Institute of Laser Science,Cairo university

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**Faculty Dean:**

**Prof. Dr.\ Ahmed Mokhtar Hussein El Kharbotly**

**Sectors Subordinated to the Faculty Dean:**

- Quality Assurance Unit
- Scientific Department
- Dean's Office
- Investigations Administration
- Security
- Main Lab
- Engineering Affairs
- Information Systems
- Public Relations

**Vice Dean of Graduate Studies Affairs:**

**Prof. Dr.\ El Sayed Abdul Megid El Sherbiny**

**Sectors Subordinated to Vice Dean of Graduate Studies Affairs:**

- Vice Dean's Office
- Graduate Studies Department
- Cultural Relations Department
- Library Administration

**Vice Dean of Community Service and Environment Development:**

**Prof. Dr.\ Tarek Fahmy Abdul Aziz**

**Sectors Subordinated to Vice Dean of Community Service and Environment Development:**

- Vice Dean's Office
- Special Centers and Units

## Mission the National Institute of Laser Science, Cairo University

The National Institute of Laser Science is distinguished with the annexation of several different disciplines of science, lasers: industrial, medical, agricultural, engineering, environmental and biological applications where the Institute prepares cadres of distinguished researchers and professionals able to compete at the local and regional levels as well as conducting basic and applied research in laser science in various areas that contribute to community service and environment development.