

11

LOCAL ACTIVITIES

A tradition: celebrate student day (May 19th) and science day (April 16th).

11 clubs and associations of active students supervised by a cultural and sports activities service.



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SCIENTIFIC RESEARCH

- ➔ The School provides PhD trainings.
- ➔ 02 research laboratories host 60% of the academic/research staff :
 - Systems Design Methods (LMCS);
 - Communication in Computer Systems (LCSI).

Among the topics covered:

- Embedded systems;
- Resilient and Efficient Ubiquitous Systems;
- Intelligence, robotics and perception;
- Knowledge engineering;
- Information systems for decision support;
- Optimization;
- Computer Environment for Human Learning;
- Medical Image Processing;
- Advanced databases;
- Dynamic data distribution;
- Models and Formalisms;
- Internet of Things (IoT);
- Data science ...

Several research projects

- National projects (CNEPRU, ...).
- International projects (Tassili, ...).

- ➔ The school heads the Doctoral School STIC (Information and Knowledge Science and Technologies).



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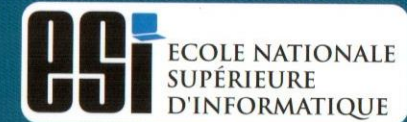
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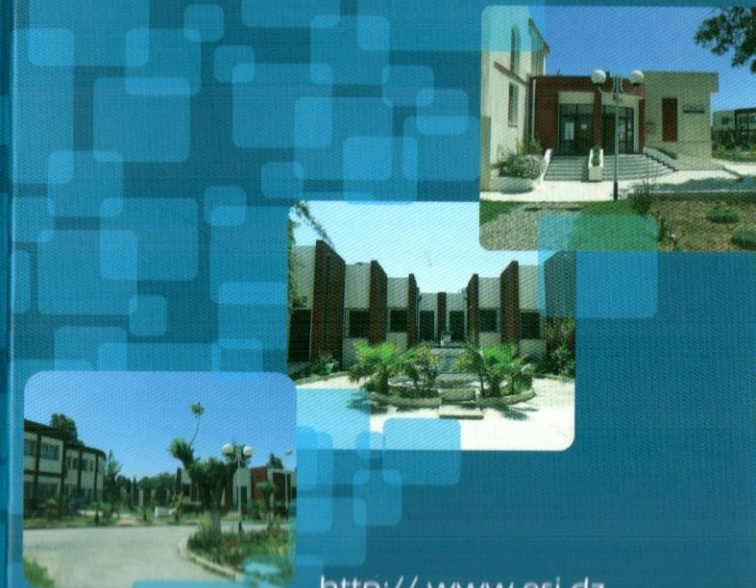
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وزارة التعليم العالي و البحث العلمي

Ministère de l'Enseignement Supérieur
et de la Recherche Scientifique



School
presentation



[http:// www.esi.dz](http://www.esi.dz)

1 SCHOOL FOUNDATION

The School was created in 1969 under the name of CERI : Centre d'Etudes et de Recherches en Informatique (Center for Studies and Research in Computer Science). Attached to the Ministry of Higher Education in 1983 under the name of INI : Institut National de formation en Informatique (National Institute of Training in Computer Science), it was transformed into a national superior school by the executive decree N° 08-220 of July 14th, 2008, under the name of ESI : Ecole nationale Supérieure en Informatique (National Superior School of Computing).

It counts to date more than 6000 graduates.

2 SKILLS

The engineer graduated from ESI is able to solve individually and collectively complex problems within organizations taking into account technological developments. He builds his scientific, technical and human skills as part of a demanding training.

3 STAFF NUMBERS

- More than 1000 undergraduate students, including 250 in the first year;
- About 200 graduate students;
- 126 permanent academic staff;
- Nearly 170 administrative and technical support staff.

4 ORGANIZATION & MANAGEMENT

Administrative organization

- Executive Management;
- General Secretariat;
- Graduate, Diplomas and Continuing training Directorate;
- Undergraduate studies, Scientific Research, Technological Development, Innovation and Entrepreneurship Directorate;
- Information and Communication Systems and External Relations Directorate;
- Library.

Pedagogy organization

- Department of Graduate Preparatory;
- Department of Information Engineering and Computer Systems;
- School Scientific Council;
- Departmental Scientific Committee;
- Quality assurance unit;
- E-learning Unit.

5 UNDERGRADUATE CURRICULA

The school, which operates a national recruitment, trains State Engineers in Computer Science : **Bac + 5**.

- ➔ A Preparatory Cycle of two years with an internship at the end of the 1st year.
- ➔ A second level of 3 years accessible through a competitive national examination at the end of the 2nd year.
 - 1st year : Common year with a summer internship of 4 to 6 weeks in a company.
 - 2nd and 3rd years : Specialization
 - ◇ **SIT** (Information Systems and Technology).
 - ◇ **SIQ** (Computer Systems).
 - ◇ **SIL** (Computer Systems and Software Engineering).
 - Students carry out at least 9 months project during the 3rd year in a company or a laboratory.
- ➔ During the 3rd year, the student has the opportunity to enroll in :
 - a Master degree;
 - FIE (an entrepreneurship training) dedicated to innovative project leaders.

An average of 180 engineers graduate each year.

6 EDUCATIONAL ENVIRONMENT

- 06 amphitheatres;
- 36 rooms for tutorials and practical work;
- A library and 2 reading rooms with a capacity of 100 seats;
- An auditorium with a capacity of 270 seats;
- A 130-seat conference room;
- A room equipped for 3rd year students;
- A network academy;
- An E-learning room;
- A videoconference room;
- An area dedicated to entrepreneurship, including a Fablab, ESI-Nov (Open Space for innovative project leaders) and common spaces;
- A block hosting two research laboratories;
- Two equipped rooms dedicated to continuing education;
- Four meeting rooms.

7 ACADEMIC PARTNERS



8 PROFESSIONAL PARTNERS



9 SECTORS of EMPLOYMENT

- Business services including IT service companies; startups and consulting firms;
- Industry, energy, telecommunications;
- Higher Education & Scientific Research Centers;
- Research and development within companies;
- Public and private administrations.

10 TYPES OF ACCESSIBLE EMPLOYMENT

Studies Engineer, Development Engineer, Database Administrator, System Engineer, System Administrator, Network Engineer, Network Administrator, Project Manager, ERP Integrator, Research and Development Engineer, Sales Engineer, Consultant, Information Systems Auditor.