

regards Croisés



newsletter number 11 - June 2007

École Centrale Paris



RESEARCH



ACADEMIC PROGRAMMES



INTERNATIONAL SCOPE



CORPORATE WORLD



EVENTS



FOCUS

 FRENCH

Research

A new start-up company created by ECP students




Academic Programmes

LEE Becomes LISA:
Electrical and Computer
Engineering Laboratory



International Scope

Écoles Centrales
Conference at BUAA
University in Beijing 

Corporate World

Become an École
Centrale Paris Partner.



Events

Official Launch of
Agenda 21 at ECP



Focus

New Training for
Engineers at ECP,
beginning in September.
The Centrale Engineer:
Leader, Innovator,
Entrepreneur



FOCUS

New Training for Engineers at ECP, beginning in September.

The Centrale Engineer: Leader, Innovator, Entrepreneur

From September 2007, ECP will implement a new curriculum designed to train top-level engineers in science and technology to be the new leaders, innovators and entrepreneurs of the 21st century, capable of meeting the major technological, environmental, economic and social challenges to come.

This new curriculum is the product of 16 months of work carried out by professors and students, numerous interviews with economic and scientific leaders, and exchanges with alumni and companies.

Read more in "FOCUS"

Top of page 

	HOME PAGE
	ACADEMIC PROGRAMMES
	INTERNATIONAL SCOPE
	CORPORATE WORLD
	EVENTS
	FOCUS

A new start-up company created by ECP students

Issued from the expertise of the LGPM laboratory (Material and process engineering), AMOES has been created by 3rd years students of the "Centrale Entrepreneurs" professional track. His goal is to develop "positive energy buildings". His expertise is in:

- Decrease in energetic needs by the development of decision taking helping tools, engineering studies on thermal simulations and measurements campaigns ;
- Local production of green energy via his micro-cogenerator using wood.

AMOES will join soon the ECP incubator.



► More informations of the web sites:

- <http://www.amoes.com>, official site of AMOES
- <http://www.energiepositive.info>, site on positive energy buildings
- <http://blog.amoes.com>, blog of informations

► Contact:

Damien Lambert - damien.lambert@amos.com

7th national workshop on parasismic engineering

The MSSMAT laboratory (Soils mechanics, structures and materials laboratory), UMR CNRS 8579, is organizing on July 4-7 the 7th national workshop of the french association of parasismic engineering on the campus of ECP.




► More informations

http://www.mssmat.ecp.fr/AFPS_07.html

► Contact:

Didier Clouteau - didier.clouteau@ecp.fr



	HOME PAGE
	RESEARCH
	INTERNATIONAL SCOPE
	CORPORATE WORLD
	EVENTS
	FOCUS

LEE Becomes LISA: Electrical and Computer Engineering Laboratory

In order to better describe its various activities, as well as its role in the TISA Department (Information Technology and Advanced Systems), LEE (Experimental Electronics Laboratory) will be renamed LISA (Electrical and Computer Engineering Laboratory). LISA is a laboratory dedicated to experiment-based teaching. Its primary mission is to design and conduct courses, practicums, and systems projects in the following fields:

- o Analogue and Digital Electronics
- o Classical and Onboard Computing
- o Telecommunications
- o Signal Processing
- o Automation
- o Power Electronics
- o Mechatronics

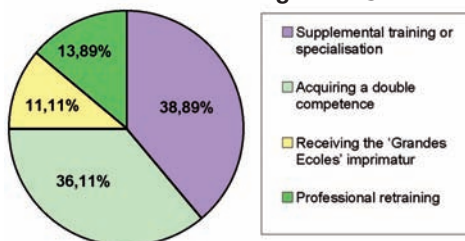
In addition to a new name, the Laboratory is getting a new look. There will be a completely renovated facility to welcome the new class, after work is completed in September.

► **Contact:** Laurent CABARET - LISA Coordinator
www.lisa.ecp.fr - laurent.cabaret@ecp.fr

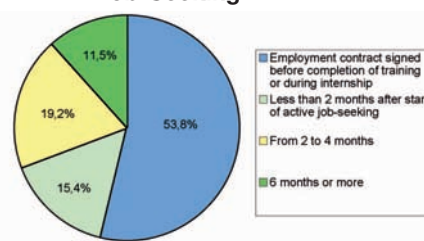
The Mastère Spécialisé* at ECP: Supplemental training in coordination with the needs of industry

A survey of recipients of the 2005 Mastères Spécialisés at École Centrale Paris (approximately 100 MS ECP in 2005) was conducted by the *Conférence des Grandes Ecoles*. The survey highlights the value of the credential, as much for the students (who acquire supplemental training) as for the company. Prompt job placement is testament to the fact that the training corresponds to the needs of companies in various sectors.

Reasons for Pursuing the MS



Period of Job-Seeking



Career Paths Upon Completion of the MS

Production - Operations (including building sites): 7,4 %, Technical Consulting and Assistance: 7,4 %, Research and Development, Scientific and Technical Planning (other than computing): 18,5 %, Marketing: 7,4 %, Communications: 3,7 %, Technical Sales: 3,7 %, Information Systems Planning and Development: 7,4 %, Industrial and Technical Computing: 11,1 %, Banking and Insurance Services: 3,7 %, Auditing: 3,7 %, Planning - Consulting: 25,9 %.

► **Contact:** Marc Théry - marc.thery@ecp.fr

Calendar for the Start of the Academic Year, 2007-2008

Monday, September 3,
Start of the academic year for foreign double-degree students

Tuesday, September 4, -
Thursday, September 6
Registration for foreign double-degree students

Sunday, September 9
Parent Open House -
Class of 2010 (2:30 PM)

Monday, September 10
Start of the academic year and registration for third-year, Intergroupe, auditing, and Master students



Tuesday, September 11
Start of the academic year for first-year students

Wednesday, September 12
Registration for first-year students

Friday, September 14 -
Monday September 17
Orientation Weekend (W.E.I.)

Tuesday, September 18
Start of the academic year and registration for second-year students

* **Mastère Spécialisé** is a specialized, postgraduate training programme

	HOME PAGE
	RESEARCH
	ACADEMIC PROGRAMMES
	CORPORATE WORLD
	EVENTS
	FOCUS

Écoles Centrales Conference at BUAA University in Beijing, April 16-18, 2007

This conference, which was sponsored by the French Embassy in Beijing, aimed to assess the prospects for cooperation on doctoral research-training between the Ecole Centrale Groupe and BUAA University, which hosts Ecole Centrale Beijing. This cooperation will help foster a research environment at Ecole Centrale Beijing, as well as facilitate the pursuit of doctoral work and research by future graduates of Ecole Centrale Beijing.

The conference enabled a better sharing of scientific expertise and know-how between research teams at BUAA University and Ecoles Centrales. Research cooperation is planned in three areas: Fluid and Combustion Mechanics; Automation, Robotics, Computing, and Image and Sound Processing; and Materials Science.

► **Contact:**

Jean Hubert Schmitt, Director of Research at ECP

Annual Meeting of the Centrale Graduate School

On June 11 and 12, École Centrale Paris hosted the fifth Plenary Assembly of Centrale International over two half-day sessions, bringing together some 60 individuals responsible for the international relations of the Ecole Centrale Group. This annual meeting provides an opportunity for all those involved in the daily development of the international activities of their Ecole to exchange perspectives, clarify orientations and coordinate for the future.

This year, in addition to the core European sphere, India, China, Brazil, and Japan, among others, were represented. New programmes will soon be launched for Europe and for international recruiting. Philippe Deshayes, Director of Centrale International, the office that organises and coordinates the international policies of the 5 Ecoles Centrales, has undertaken to generate an assessment of last year's progress and make proposals for the years to come.

After Lille, Nantes, Lyon and Marseille, the Plenary Assembly in Paris again reasserted the participants' strong commitment and enthusiasm for working together in spite of the practical difficulties encountered. This strong cooperative dynamic is an invaluable asset for the Ecole Centrale Group in the face of global competition.

► **Contact:**

Aline Faes - aline.faes@centrale-gs.org



	HOME PAGE
	RESEARCH
	ACADEMIC PROGRAMMES
	INTERNATIONAL SCOPE
	EVENTS
	FOCUS

To secure your reputation, make yourself known to ECP students and recruit Centraliens Become an Ecole Centrale Paris Partner

PREMIUM Partnership

To participate in the full range of ECP's partnerships described below (with *), and have close contact with all its students

To play an important role in defining ECP's strategic vision
And to have a robust joint communication strategy

Pedagogical Partnership for Third-Year Majors and Programmes of Study*

An original arrangement for recruiting at ECP that enables partners to be closely involved in third-year teaching at ECP, through close contact with future graduates (company and career presentations, career testimonials from engineers, site visits, internship presentations, conferences, course interventions, modules, projects, seminars, case studies, etc.)

Club TIME PLUS*

For international recruitment, partners can draw on a pool of students pursuing joint degrees, at ECP and foreign partner universities around the world (35% of each class), who are fully bilingual and have strong international orientations.

Internship Forum*

The mini-forum provides partners with the opportunity to meet and recruit the hundred or so students who are seeking internships for the break between their second and third years (twice 6 months).

Career Roundtables*

For partners to introduce second-year students to possible career opportunities, through the testimonials of their young engineers about their own paths since graduating from ECP, and help these students choose their third-year majors/programmes of study.

Apprenticeships for the Future*

Partners have the opportunity to make their companies known to students in their very first year (through site visits, project proposals and supervisions, conferences, testimonials, jury participation).

Career Path Partnership

Partners have close contact with students throughout their studies, from first to third year, enabling them to shape student training at every stage: participation in a Challenge, a second-year career roundtable, an internship forum stand, and sponsorship of a third-year major and programme of study.

Recruitment Workshops

To train students in the case study method

Research Partnership

To become familiar with our research laboratories and establish research collaborations

► **Contact:** Company Partnerships - sylvie.mazurat@ecp.fr

Centrale Forum Entreprises 2007

It will take place November 27 - 28 on the campus.

Contact: forum@ecp.fr

Forward your offers of training courses and jobs

YOUR TRAINING COURSES OFFERS 2007

Operator training:

At least 6 weeks at the end of the 1st year
(from 2007/06/18 to 2007/09/07)

Internship Abroad:

At least 6 weeks at the end of the 2nd year
(from 2007/06/18 to 2007/08/31)

Contact:

The Office of the Training in Companies:
de-bfe-stages@ecp.fr

YOUR JOB OFFERS

Contact:

Association des Centraliens,
Service Carrières & Emploi
carrieres@centraliens.net



 HOME PAGE
 RESEARCH
 ACADEMIC PROGRAMMES
 INTERNATIONAL SCOPE
 CORPORATE WORLD
 FOCUS

Official Launch of Agenda 21 at ECP

On June 7, 2007, ECP officially launched Agenda 21, marking its commitment to applying the principles of sustainable development to every sector of its activity: teaching, research and operations. Agenda 21 was launched at the first annual 'Campus Fair', an outdoor cultural and sports festival, in order to unite and raise awareness across the entire campus community, including ECP students, teachers, researchers, and staff, around this ambitious common project.

The origins of Agenda 21 extend back to the 1992 Rio Summit, at which 173 countries pledged their commitment to the sustainable development of the planet, endorsing a global action plan for the 21st century that covers the environmental, social, and economic domains. In France, the national government, then several local governments, and finally a few major companies have implemented Agenda 21 at their respective scales.

In 2006, ECP decided, in turn, to commit itself to this project. Building on studies begun in 2004, and several concrete implementations, ECP established a working group, consisting of 60 personnel, charged with building an action plan for the coming years. This action plan, Agenda 21 at ECP, is built around 21 priority objectives, to be implemented beginning next September. Particularly robust and ambitious, it requires the mobilisation of all personnel in a continuous and long-term approach. *Regards Croisés* will provide regular updates on the plan's progress.

In this regard, the progress ECP has made this year in its internal operations should be pointed out: After a drastic reduction in its water consumption-50% in two years-ECP has now achieved a 20% decrease in its heating costs. This figure, corrected for climatic variation, is the result of the implementation of an optimisation plan for its heating facilities. Indeed, ECP has undertaken several updating and renovation projects: modernisation of its gas boiler burners and sub-station regulating units, optimisation of the primary network circulation, replacement of faucets and rebalancing of the secondary network.

ECP plans other measures, such as those to reduce energy leakage in all its buildings, and a thermal diagnostic is already in the works.

► **Contact:**

Daniel Moreno - daniel.moreno@ecp.fr

■ **Winners of the Innovation and Sustainable Development Trophy**

Cappgemini Consulting, in partnership with AgroParisTech, Ecole Centrale Paris, ESCP-EAP, and CHEE&DD, and with the support of La Tribune, would like to congratulate the winning projects for 2007, in the second annual Innovation and Sustainable Development Trophy:

Photovoltaics: A profitable investment for companies?

What are the issues and future possibilities for biomass cogeneration? Towards healthy and ecologically sound habitat isolation.

How to extend the use of bioplastics to liquids? Integrated husbandry of sturgeon and cattle: A promising mix?

Four third-year students from ECP were among the prize winners, on different projects: Sidahmed Ama, Eric Chatelain, Camille Lacoste and Jérôme Miro-Padovani.

► **More on:**

Download the presentation of the 2007 prize winning projects.



 HOME PAGE
 RESEARCH
 ACADEMIC PROGRAMMES
 INTERNATIONAL SCOPE
 CORPORATE WORLD
 EVENTS

New Training for Engineers at Centrale, beginning in September. The Centrale Engineer: Leader, Innovator, Entrepreneur

(following the previous page)

The current system of two years of core courses followed by one year of professionalisation will give way to a flexible curriculum that enables students to customise their programmes from the very first year and to take an active role in shaping their own training.

Pedagogical methods are evolving in the same direction, to further this aim. From now on, student training will be geared as much as possible to meeting the precise needs of companies and clients. An additional novelty, inspired by the business world, is being introduced: techniques of individual or small-group coaching to enable Centraliens to create stronger bonds, communicate effectively, develop leadership skills, as well as innovation and entrepreneurial capacities, and to more clearly define their professional projects. Throughout the course of their studies at ECP, students will be introduced to the six major challenges for the 21st century that have been selected as priority activities: energy, economic change, health and bio-technologies, information and knowledge, territory, and environment. These 'Major Challenges' will provide students, by the time they graduate, with a solid grasp of the significant trends at work in society, thanks to conferences, projects, company visits, and interviews with managers and engineers in various disciplines.

Conceived as a coherent trajectory of self-realisation for students heading towards a professional world that has become highly internationalised, the new curriculum now requires that students complete a company internship of at least six months as well as a six-month experience abroad, which may be done either at a company or a university.

Centrale's class of 2010, which will arrive on campus for the first time in September, will begin with two semesters of core courses, to acquire the basic science skills mastered by all Centrale engineers. This will be followed by a second year in which students have considerable leeway to customise their curriculum through the choice of elective classes, and a third year devoted to in-depth study, professionalisation and the acquisition of an internationally competitive level of maturity and mastery. Last but not least, students may take a one-year break at the end of their second year, to go abroad, to do an internship, or to undertake an individual project.

► Contact:

Dean of studies
direction.etudes@ecp.fr