

EDITO



It is true that the economic news we hear each day is not encouraging. It is true that the world of education is directly affected by the crisis and that the development model of engineering schools such as ours is put into question as the race is on for bigger establishments, so prized by international rankings. Should we, however, fear the future, a future which, beyond a doubt, will be more and more impacted by globalization – globalization of the economy, of course, but also globalization of educational systems?

I am, on the contrary, convinced that in this inevitable evolution of the world there are grounds for optimism, even if it means we have to face rapid and permanent evolution. The development of emerging countries and the rise of new middle-classes are coupled with an explosion in the worldwide demand for education. And this situation generates numerous international opportunities.

In such a context, France has real assets. For example, its engineering training, given by the "grandes écoles", has proved its worth both in excellence and in efficiency. And the recent decision of the American Association of Collegiate Registrars and Admissions Officers (AACRAO) to consider French engineering degrees equivalent to an American Master of Engineering is even further proof. There are, moreover, several outstanding success stories such as the *École Centrale de Paris* which has been set up in Beijing.

As for IFP School, which has had an active international development policy for over ten years, it is considered a pioneer in that field. 50% of its programs are taught in English and almost 50% of its students are not French and are from 50 different countries. The School has also set up numerous academic cooperative agreements and runs several programs jointly with prestigious foreign universities. Finally, several "off-site" programs are run overseas in cooperation with the local university and an industrial partner. Such programs give young talent the opportunity to be awarded an IFP School degree without leaving their country. The oldest of these off-site programs, launched in 2003 at Port Harcourt in Nigeria, features in this newsletter with a report on the graduation ceremony of its 10th Class. This is a policy we intend to step up in the coming years and we will be bringing you news of these initiatives in future issues of this newsletter.

Season's greetings to you and your families.

Happy reading!

Philippe Pinchon
Dean
IFP School

BRIEF

The 2014 Class

322 new students joined one of IFP School's 10 industry-oriented programs on 2 September 2013.

The 2014 Class is made up of 119 students in the upstream sectors, 73 in downstream programs, 68 in engines and 62 in programs on economics.

Origin of the students

With 46 nationalities represented, the 2014 Class is truly multicultural. 47% of the new intake are international students, mainly from the major oil and gas producing countries but also from Europe and the BRIC.

The three countries most represented (each with 9 students or more) are Nigeria, Russia and Spain. Other countries (from which more than 5 students come) are Argentina, Brazil, China, Colombia and Venezuela.

Amongst the 7 Argentinean students, 6 are from the program launched jointly in March 2013 with the *Instituto Tecnológico de Buenos Aires* (ITBA). They will join IFP School in January 2014 in the Reservoir Geoscience and Engineering program (RGE), which is taught in English.



Profile of the 2014 Class:

- 172 French students
- 150 international students
- 24% female students
- 137 apprentices
- 110 sponsored students
- 35 professionals on study leave

During Integration Week, students of the 2014 Class took part, on 6th September 2013, in a sport and fun challenge in the grounds of the Château de Vert-Mont.

Student backgrounds

Amongst the 322 new students, 190 are from French engineering schools or universities.

The engineering schools most represented are ENSAM (23 students admitted) and ENSIC (10 students admitted).

Industrial backing

IFP School has created an educational model based on strong integration in the industrial world. This year, 282 students are backed by industry.

There are three main types of industrial support: sponsorships via industry-sponsored scholarships, apprenticeships for studies consisting of alternating periods in the School and periods in a company, and study leave for professionals already working in industry who join the School to study for a degree.

62 companies have chosen to give their support to students from the 2014 Class. Five companies sponsor 10 or more students: ExxonMobil, Perenco, Renault, Technip and Total. Amongst those who

support 5 or more students are: Air Liquide, Arkema, Axens, Cepsa, Delphi, GDF Suez, IFP Energies nouvelles, PSA Peugeot Citroën, Saipem, Statoil and Volvo Powertrain.

FOCUS

IFP School launches a new Executive program

In 2013 IFP School launched a new management program: the *Executive Master in International Oil and Gas Leadership*.

This new program is the fruit of a partnership with the prestigious [Graduate Institute of International and Development Studies](#), based in Geneva (Switzerland).

This Executive Master is designed for experienced professionals, such as national and international oil company executives, diplomats and civil servants, who hold a degree awarded after at least 4 years of higher education.

It addresses the international challenges facing the oil and gas sector, mainly in exploration and production, and issues related to legislation and governance. The course focuses on managerial and leadership skills specific to this sector.

"On this course we invite participants to rethink their professional practices by giving them an awareness of the challenges facing the oil and gas sector. Our aim is to help professionals stand back and reflect on how to integrate the complexity of the challenges in this sector and to develop a strategic, visionary approach," explained Nadine Bret-Rouzaut, Director of the Center for Economics and Management at IFP School.

A well adapted teaching approach

The *Executive Master in International Oil and Gas Leadership* is compatible with maintaining a professional activity. Taught entirely in English, the course lasts 16 months and consists of five intensive two-week modules held mainly in Geneva but also in Rueil-Malmaison.

The course is based on theoretical and practical courses with well-known experts but also on the various issues that arise during teamwork (real case studies, etc.).

Through its organization and the profile of the participants, this course is truly international and multicultural. The first class of this program is made up of 14 executives, managers and diplomats from 13 countries.



On 17 October, students of the 2014 Class of the Executive Master in International Oil and Gas Leadership visited the methane terminal at Fos Cavaou, in the district of Fos-sur-Mer.

After a first module in Geneva, they joined IFP School on 30 September 2013 to follow a module on the technical, economic, strategic and legal aspects of upstream oil and gas projects.

LIVE

10th Class of the Petroleum Engineering and Project Development program in Nigeria

The graduation ceremony for the Master in Petroleum Engineering and Project Development took place on 28 November 2013 at the Institute of Petroleum Studies (IPS) in Port Harcourt, Nigeria.

On this occasion, Philippe Pinchon, Dean of IFP School, handed degrees to 20 engineering students of the 10th Class.

The ceremony took place in the presence of Joseph Ajenka, Vice-Chancellor of the *University of Port Harcourt*, Mike Onyekonwu, Dean of the *Institute of Petroleum Studies*, Nicolas Brunet, Deputy Managing Director of Total E&P Nigeria, Edith Ofili-Okonkwo, Executive Director, Human Resources and Corporate Affairs of Total Nigeria and Francis Fusier, the program supervisor.

This program is the oldest of IFP School's off-site programs. It was launched in 2003 in association with IFP Training, the *University of Port Harcourt* and the Total subsidiary in Nigeria. It is taught in English and covers the fields of petroleum engineering and project development. Participants of this program, which lasts one year, are young engineers selected on the basis of a competitive exam and an interview. The total number of graduates is now 197.



Students of the 10th Class of the off-site Master in Nigeria were awarded degrees on 28 November 2013.

The School launched the concept of off-site programs in 2002 with a first one in Angola. The aim of such programs is to develop local skills by offering courses in applied engineering in oil and/or gas producing countries with a local academic partner and an industrial sponsor.

These off-site programs are the opportunity not only to train professionals to become fully operational in the country concerned but also to ensure, over the mid-term, a transfer of competences. They are organized jointly with IFP Training, which takes charge of logistics and marketing, whilst IFP School is in charge of all the academic aspects. Students on off-site programs follow the entire course in the partner institution outside France and are awarded a degree co-signed by IFP School.

In addition to the program in Nigeria, two other similar programs are currently being run: in Saudi Arabia (with *King Fahd University of Petroleum and Minerals* and Saudi Aramco) and in Russia (with *Ufa State Petroleum Technological University* and Gazprom Neftekhim).

ASSOCIATION

Call for membership fees 2014

Together with IFP School, the IFP School Alumni Association (AAID) maintains the *Alumni* network which today has over 13 000 engineers working in over 100 countries.

The Association aims to accompany IFP School graduates throughout their careers, giving them the opportunity to keep in touch with their School and to strike up relationships with other former students.

It is able to do this thanks to the support of its members, who are cordially invited to renew their membership for the coming year.

In accordance with the decision taken at the Annual General Meeting held on 21 November 2013, **membership fees for the year 2014** will remain at **65 Euros** for all members, except for **new graduates (Classes of 2012 and 2013)** for whom the fees are fixed at **45 Euros**.

To renew your membership or to become a first time member of the AAID, please contact [Dolorès Santos](#) - Tel: 01 47 52 52 51.

You can pay your membership fees:

- On-line by logging onto the [Alumni](#) site (Menu "Reapply membership"). By check to the order of "AAID-ENSPM"
- By bank transfer to BNP Paribas, agence de Rueil Château, account "AAID-ENSPM" (IBAN: FR76 3000 4009 7600 0041 6236 664 - BIC: BNPAFRPPBBT).

The IFP School Alumni Association sincerely hopes to welcome you as a member again this year.

Visit to the "Musée du Chocolat"

As part of its cultural winter events, the IFP School Alumni Association invites you to join them for a visit of the [Musée du Chocolat](#) in Paris on Saturday **25 January 2014 at 2.45pm** (18 Euros/member).

This gourmet museum, which retraces 4000 years of the history of cocoa and chocolate, plunges the visitor into a universe that will awaken all your sensory perceptions.

To book, fill in the registration [form](#) and send it with your payment (check to the order of "AAID-ENSPM") to the following address:

To the attention of Claudine Petit
AAID-ENSPM
232 avenue Napoléon Bonaparte
92852 Rueil-Malmaison

For further information on the Association's cultural activities, contact [Claudine Petit](#) – Tel: 01 47 52 64 92.

NEWS

IFP School takes part in the 2013 "Coupe du Pétrole de Voile" yacht race



IFP School took part in the 34th "Coupe du Pétrole de Voile" (ACPV) yacht race held at La Rochelle from 3rd to 7th October 2013.

The School and IFP Training (a subsidiary of IFPEN), were represented by the sailboat called "Grand Surprise IFP School-IFP Training".

The team was made up of four students and a graduate from IFP School: Maud Guérin (Energy and Processes 2014), Guillaume Hervé (Energy and Markets 2014), Marc-Antoine Roche (Petroleum Engineering and Project Development 2014), Nicolas Leger (Energy and Markets 2013) and François Isopet (Energy and Powertrains 2012). Also part of the team were Guillermo Ballesteros, a teacher at IFP Training and Pierre Duret, Director of the IFP School Center for Engines and Hydrocarbon Utilizations.

24 competitors took part in this year's race. The IFP School-IFP Training boat came 5th in the overall ranking of the 5 best races out of the 6 races entered. They came first in the coastal race, their best score in recent years (7th out of 24 in 2012 at La Trinité and 10th out of 20 in 2011 at Marseille).

[View the photo gallery of the "Coupe du Pétrole de Voile" \(ACPV\) 2013.](#)

6th "Energy Transition Day"

The 6th "Energy Transition Day", organized for students of IFP School's 2014 Class, was held on 15th November at IFP Energies nouvelles (IFPEN).

This day was the opportunity to introduce students to IFPEN's projects in the field of new technologies for energy, environment and transport so as to develop their awareness to the energy and environmental issues with which they will be confronted during their careers.



The day began with a speech by Olivier Appert, Chairman and CEO of IFPEN, in which he presented the current energy situation, the energy transition and future challenges. The rest of the day was organized around workshops based on IFPEN's [five priority strategies](#) and ended with an interactive round-table on the energy transition in which representatives of EDF, Fondation Bellona, Renault, Total and IFPEN took part.

29th "Jobs and Careers in Energy and Powertrains" event

On 22nd November 2013, IFP School opened the doors of its Rueil-Malmaison campus to over 250 students from French engineering schools and universities.

This event enabled young students with 4 or 5 years of higher education to discover the various facets of what the School has to offer: job opportunities, international horizons, study programs, teaching approaches. They were welcomed by a team of IFP School students from the 2014 Class.

Throughout the day, participants were able to attend a variety of workshops on energy and powertrains. These workshops were run by IFP School graduates now working in the sector. They also had the opportunity to attend roundtables:



- "Careers and the Energy transition" with executives from ExxonMobil, GDF Suez, Schlumberger, Technip and Total
- "Careers and the Powertrains of tomorrow" with executives from Delphi, IFP Energies nouvelles, PSA Peugeot Citroën, Renault, Valeo and Volvo.