



## ParisTech China bi-Monthly Newsletter

With the start of the new academic year, ParisTech in China is glad to give a focus on the students involved in the programs of our 3 overseas joint-institutes: Paristech Shanghai Jiao Tong, IFCIM and ICARE. At the outcome of their studies, all those students will be graduated with a French diploma and will join of ParisTech network of alumni in China and worldwide. With a great enthusiasm, we wish to all those new students good luck and success in their studies with us!

### NEW SEMESTER CEREMONIES

#### PARISTECH SHANGHAI JIAO TONG

In the morning of September 10<sup>th</sup>, ParisTech Shanghai jiao Tong hosted the opening ceremony for 90 freshmen on Minghang Campus.



*ParisTech Shanghai Jiao Tong freshmen*

The ceremony was held by Prof.HUANG Zhen, Director of the Chinese part of ParisTech Shanghai Jiao Tong and Vice-President of Shanghai Jiao Tong University, and Dr.Cedric DENIS-REMIS, Director of the French part of ParisTech Shanghai Jiao Tong, General Yves DEMAY, General director of Ecole Polytechnique and all the faculties. The ceremony welcomed M.Jean-Luc DOUBLET, VP of the group SAFRAN in China (founding partner of the Business Club ParisTech Shanghai Jiao Tong), Mme Amaëlle MAYER, Attachée for education at the French consulate in Shanghai, and Mr.Frédéric BRETAR, attache for Sciences and cooperation at the French

consulate in Shanghai, the groupe PSA Peugeot Citroën (member of Business Club). Directors and Presidents of French and Chinese companies also attended the ceremony, so that heads from School of Mechanical Engineering, School of Electronic Information and Electrical Engineering

#### BUSINESS CLUB

In the afternoon of the ceremony was organized a round-table on the topic "**Implication and role of companies in the engineering curriculum**". This event gathered all the students of ParisTech Shanghai Jiao Tong and the representatives of companies, the representatives of the French consulate in Shanghai and of ParisTech.



*Mr.Frédéric BRETAR, M.Yves DEMAY and  
Mme Amaëlle MAYER*

Yves Demay, Vice President of ParisTech and General Director of Ecole Polytechnique, Frédéric BRETAR, Science and Technology Agent of France

Consulate in Shanghai, Jean-Luc DOUBLET, Vice President of Safran China, Ms. POUGET from Peugeot Citroen China all gave their keynote speeches.

All along the seminar, more than 200 teachers and students felt the passion of enterprises for cultivating engineers and got a deeper understanding of the models and meanings of enterprises' participation in engineer cultivating through this forum.



M. Jean-Luc DOUBLET and Mme HONG Yang (Valéo)

ParisTech Shanghai Jiao Tong grants importance to work hand in hand with the industrial world and to make them actors of the schools, for the teaching, for providing internships, and also for the personal and professional development of ParisTech Shanghai Jiao Tong students. Although ParisTech Shanghai Jiao Tong has been established for only one year, it has attracted many enterprises such as Safran China, le Groupe PSA Peugeot Citroën and AXA Private Equity into ParisTech Shanghai Jiao Tong Business Club.

## ICARE

### OPENING CEREMONY FOR CLASS 2015

Our institute welcomed the Class 2015 new students on the morning of August 31st, with the participation of most staffs. Mr. Michel Aublant, European executive director of ICARE, gave a speech firstly to congratulate every student. Mr. Aublant told the young students that they are joining a very exciting Master degree, combining the strong support of HUST famous School of Energy and Power Engineering and the expertise of 10 European and

Chinese universities in Clean and Renewable Energy. He also stressed that having a diploma of ParisTech meant to join a group of high level engineers, scientists and managers strong of two hundred thousand alumni among which three thousand in China. Then Pr. HUANG Shuhong, ICARE Chinese co-dean encouraged the freshmen to exchange with tutors and schoolmates in China and foreign countries as much as they can. In the end, Prof. HUANG showed his expect to all that they could enhance the comprehensive ability, besides technical expertise learning, and strive to become a leader in the future energy sector.

In this year, 51 Chinese students were selected to study in ICARE, among 189 candidates. 7 international students also applied to study in ICARE but need further interviews.



ICARE Class 2015

## IFCIM

### NEW SEMESTER CEREMONY

On the morning of September 10th, the IFCIM opening ceremony of Master's program in the field of science and technology for the year 2013 was held at the Sino-French center in Tongji University.

Professor Chen Yiyi, Executive Vice-President of Tongji University, attended and delivered a speech. In the speech, Professor Chen expressed his sincere thanks to all the colleges involved in this program for their continuing support and cooperation. He encouraged the students who are going to France for further study to learn French well and also hoped

that the French students who came a long way to China will immerse into the campus life positively. At last, he wished all the teachers present Happy Teacher's Day.

Resident representative of ParisTech in China, Ms. Gaëlle le Goff, Representative of Project Directors, Prof. LuoYunyan, representative of all the French professors, Mr. Rudy FLEURET are also present in the ceremony and gave a speech.



*Professor Chen Yiyi,*

*Executive Vice-President of Tongji University*

Then the new students and previous alumni representatives held a communication meeting.

## CONTINUING EDUCATION

### ICARE TRAINING AT IFCIM IN SHANGHAI

For once, the continuing education on solar PV of June 18<sup>th</sup> to 20<sup>th</sup>, 2013 was organised in Shanghai.

ICARE in Wuhan and IFCIM in Shanghai joined hands to propose this training close to the solar clusters of Shanghai and Jiangsu.

80 % of the trainees came from Shanghai Aerospace Automobile Electromechanical, one of the fast growing solar farms contractor in East China.

The training covered engineering, construction and monitoring of 10kWp to some MWp solar plants.

The training covered notably the current status of the industry, solar radiations characterization, cells and modules technologies and performance, inverters, BIPV integration techniques, selection and sizing of AC and DC components, applicable standards on China projects, protection, system performance

evaluation and a case study of a 10 MWp project commissioned in China.

With extensive field experience in solar PV, the French based Transenergie, mandated by ParisTech performed the training, with the support of Pr. LI Bin of ICARE.



*The participants of the 3<sup>rd</sup> training on PV and Pr.LI Bin, at IFCIM in Shanghai*

## JOINT PROGRAMS

### TSINGHUA DELEGATION IN FRANCE

On September 5th and 6th, 2013, a delegation of Tsinghua university, headed by Vice-Président YUAN Si, came to France to visit ParisTech. On September 5th, the delegation was welcomed at Ecole Polytechnique by Yves DEMAY, General Director of Ecole Polytechnique, Christophe de BEAUVAIS, Delegation of International Relations of ParisTech and Head of External Relations of Ecole Polytechnique, and the heads of International relations of the different schools.

On September 6th, the delegation came to Mines ParisTech, to attend the ceremony of graduation of the post-master programs ENVIM (Environmental International management) and ALEF (International Energy Management).

The 2011-2012 students received from Romain SOUBEYRAN, Director of Mines ParisTech.

Since 2007, Mines ParisTech and Tsinghua University have set up together these 2 joint-master programs in the field of environment. This program, taught in English, leads to 2 degrees: the Master of Engineering of Tsinghua university, and the advanced master degree of Mines ParisTech. All the

students involved in this program study 4 months in France, then 4 months in Beijing, and finally make a 4 months internship in a company, either in France or in China.

## **COOPERATION IN MECHANICS WITH SJTU**

In April 2013, ParisTech and Shanghai Jiao Tong University signed an agreement on for joint masters and PhDs programs, in Mechanics. The first group of students will be selected in 2013-2014, so that to intergrate the school of ParisTech in Paris in September 2014.

On September 22nd and september 23rd, Professor Patrick LE TALLEC, Professor at Ecole Polytechnique and director of solids mechanics laboratory of Ecole Polytechnique, gave a presentation of this program of cooperation to the students of the Ocean Engineering department and the Mechanical engineering department of SJTU. More than 40 graduate students came for each presentation.



*Prof. Patrick LE TALLEC with the students of the Mechanical engineering department of SJTU*

During his staying in China, Professor Patrick LE TALLEC had meetings with Professor LIU Yingzheng, Professor and Vice Dean of the School of Mechanical Engineering and Professor LIU Hua, Professor and Vice Dean and School of Naval Architecture, Ocean and Civil Engineering, to discuss of the implementation of the program for graduate students, and also the implementation of research collaboration based on this joint-program.

## **SCIENTIFIC CONFERENCES AT ICARE**

### **MR. JEAN-MARIE BOTTE: BIOFUELS: AN ANSWER TO THE ENERGY CHALLENGES?**

On May 27 at ICARE, Mr. Jean-Marie BOTTE, from Total Professors Associates, delivered a conference entitled "Biofuels: an answer to the energy challenges?"

Before the conference, Mr. BOTTE visited the State Key Laboratory of Coal Combustion in HUST and had exchange with ICARE team.



*Mr. Jean-Marie BOTTE holding a conference at ICARE*

### **NATIONAL ENERGY ADMINISTRATION OFFICER HAD CONFERENCE IN ICARE**

Prof. LIU Jianping, an officer from Department of Policies and Laws in National Energy Administration, paid a visit to ICARE, and delivered a conference entitled "Evolution of civilization and energy replacement" in the morning of June 22.

In the conference, Prof. LIU exposed his idea that intelligent use of energy could become the dawn of future. The conference also talked about the environment, science and human civilization development. Then he summarized the objective regulation of the civilization evolution and energy replacement as well as their blueprints.

After the lecture, Prof. LIU Jianping was engaged as a Part-time professor in ICARE.

## CONFERENCE ON THE NATIONAL BANKING BY MR. LI RENJIE, PRESIDENT OF INDUSTRIAL BANK

---

On June 23<sup>rd</sup>, Mr. LI Renjie, President-General of Industrial Bank visited ICARE and delivered a lecture entitled “Understanding the National Banking” in the 7<sup>th</sup> “Forum of Clean & Renewable Energy” and the 197<sup>th</sup> “Science Spirit & Practice Lecture”.

After the conference, Mr. LI Renjie and his subordinates from Hubei Industrial Banks communicated with ICARE staffs and professors from College of Public Administration on energy finance of potential collaboration.



*Mr. LI Renjie at ICARE*

## ADEME OFFICER VISITED ICARE AND DELIVERED A CONFERENCE

---

Mr. François MOISAN, Executive Director of Strategy, Research and International Affairs and Scientific Director of ADEME delivered on July 4, a conference at ICARE institute entitled “Energy-mix transition in France: energy efficiency and development of renewable energy”.

Besides the conference, many visits were organized by ICARE staff for Mr. Moisan.

- The City of the Future and the Carbon Capture & Sequestration (CCS) research center,
- The SKL for Clean Coal Combustion,
- The future JV of Dongfeng Yangtze Motor and the French company LEVIDAC where a new gas turbine powered bus will be developed.

- Wuhan Citizen home which clearly shows the implication of Wuhan municipality in sustainable development.

He also had exchanges with professors HUANG Dong and LIU Xiaohu on building architecture. Discussions with the European dean, M. Farine, the European executive director, M. Aublant and the director of the research platform, Professor HU Song, on possible cooperation between ICARE and ADEME were also held.

## E2P2L DIRECTOR GAVE CONFERENCE IN ICARE

---

On September 12, Dr. Floryan De Campo, Director of the International Joint Research Laboratory for Eco-Efficient Products and Processes (E2P2L), in Rhodia Company, visited ICARE at the invitation of professor M. Farine. He delivered a conference to introduce the E2P2 laboratory focusing on renewable and sustainable chemistry research and also to show to students that a cutting edge research exist in industry.

Dr. De Campo briefly introduced Solvay Group, the owner of Rhodia Company. Solvay was founded in 1863 and has worldwide presence in 55 countries with 111 industrial sites. 38% of its sales come from fast growing countries. Among the world leaders in selected markets and products, the group is among the top 3 global. Dr. De Campo also presented the E2P2L, including the team members, research proposals and target, etc. The team aims at developing a green chemistry that can reduce the environmental impact of existing products or processes and especially greenhouse gas emissions. In particular, the idea is to deliver new products and eco-efficient processes capable of reducing our dependence on oil and hence reducing the carbon footprint. E2P2L also welcomes excellent Ph.D, interns and collaborators.

## STUDENTS EXCHANGES

### ECOLE POLYTECHNIQUE STUDY TRIP

---

From 8<sup>th</sup> to 15<sup>th</sup>, 2013, the international study trip organized by Ecole Polytechnique was successfully conducted in Shanghai, China.

Eight third year students of four nationalities from Ecole Polytechnique, accompanied by Yves Demay, General

Director of Ecole Polytechnique, and Mathieu Le Traon, Deputy Director of International Relations, arrived at Shanghai on 8th September for a 6-day visit of the city, companies, universities and research center.

The objective of this trip is to discover Shanghai and gain insights into cultural and economic approaches through the visit of French companies implemented in China, Chinese national research center, universities, as well as exchanges with Chinese students and ParisTech's alumni.

During these days, they visited French companies, like Solvay, PSA, DS, L'Oréal, and Safran in Suzhou, Chinese Research Center for New Energy Technologies (of SIMIT, Shanghai Institute of Microsystem and Information Technology), Shanghai Jiao Tong University and Tongji University.



*Ecole Polytechnique study trip with M.Pierre LEBELLE, Director of the R&D Center of PSA*

The students were warmly welcomed in each company. They had the opportunity to meet the Directors and VP of each company, attend presentations made by companies and professors, listen and exchange actively questions with all the participants. They were also invited to visit companies' offices, workshops, and various laboratories.

Overall the study trip represented a valuable opportunity for students in a dynamic way to gain exposure to multiple facets of the economic development in Shanghai and the potential opportunities presented by this emerging market.

## ICARE HELD INTERNATIONAL SUMMER CAMP

From July 11th to 15th, an international-tagged summer camp was held by ICARE, with 20 Chinese students from Dalian University of Technology, HUST, North China Electric Power University, Nanjing University of Science & Technology, Southeast University, Wuhan University of Technology, Wuhan University etc., and invited students from Oxford University and TU Delft.

During the 1-week stay, ICARE arranged lab/campus visit, city visit, interactions between Chinese and international students, etc. The campers were also introduced ICARE master admission situation since they were selected because of the interest in new energy.

## TU DELFT SUMMER INTERNSHIP TOOK PLACE IN ICARE

From July 9th to 31st, 35 students led by Dr. Joanna P.R.B. DAUDT from Delft University of Technology (TU Delft) in Netherlands came to ICARE and had a 1-month summer internship. The programme was co-hosted by China University of Geosciences (CUG) and HUST and undertaken in ICARE, mainly aiming at clean and renewable energy study and city/university/lab visit.



*Participants of the TU DELFT SUMMER INTERNSHIP*

On July 17th, TU Delft Professor Thijs J.H. VLUGT and the delegation lead teacher had exchange with ICARE Education center and students representatives. Prof. VLUGT said he was satisfied about the internship situation, which not only increased students' professional ability, but also contributed to the exchange in field of clean and renewable energy between two universities. He also welcomed our students in HUST to study and exchange in TU Delft.

### People who make alive ParisTech in China

#### Shanghai Office :

Gaëlle Le Goff, [gaelle.legoff@paristech.fr](mailto:gaelle.legoff@paristech.fr)

#### ParisTech Shanghai Jiaotong

Cédric DENIS-REMIS, [cedric.denisemis@paristech.fr](mailto:cedric.denisemis@paristech.fr)

#### Wuhan : Institute of clean and Renewable Energy ICARE

Michel FARINE, [michel.farine@paristech.fr](mailto:michel.farine@paristech.fr)

#### With the support of ParisTech Headquarter in Paris

Huang-Lisle Ping, [ping-huang-lisle@paristech.fr](mailto:ping-huang-lisle@paristech.fr)

