



CHINA UNIVERSITY OF PETROLEUM

# NEWSLETTER

SPRING/SUMMER/2014

创造太阳



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## President Shan Honghong Talks about "Youth" with Students.

On 7, March, President Shan Honghong attends the opening ceremony of "The Fifteenth Girls' Day" and talks about the youth and dreams with students.



President Shan recalls her young age and experiences of study and work at different periods. She shares her understanding experience of life with the young generation and advised them to strive for a responsible, self-independent life.

President Shan firstly explains the meaning of responsibility to students. As she comments, students should shoulder different responsibilities for different social roles and live up to dreams and expectations. She also encourages students to participate more out-of-class activities to find the balance between learning and life.

On the topic of self-independence,

president Shan inspires students to live and think independently with her own experience of research. In the meantime, she gives advice to girls on life and work and encourage them to be confident and brave when faced difficulties and problems. As she said, girls should live on their own and be independent.



At the end of the ceremony, president Shan receives a hand-drawn cartoon image of herself as a gift from the students. Students learn a lot from her presentation and are highly impressed by her humor and grace.





# UPC 2014 Sports Meeting kicks off



The opening ceremony of 2014 spring sports meeting

On 16, May, 2014 spring sports meeting of UPC kicks off. The whole campus enjoys the happiness of sports and health those days.

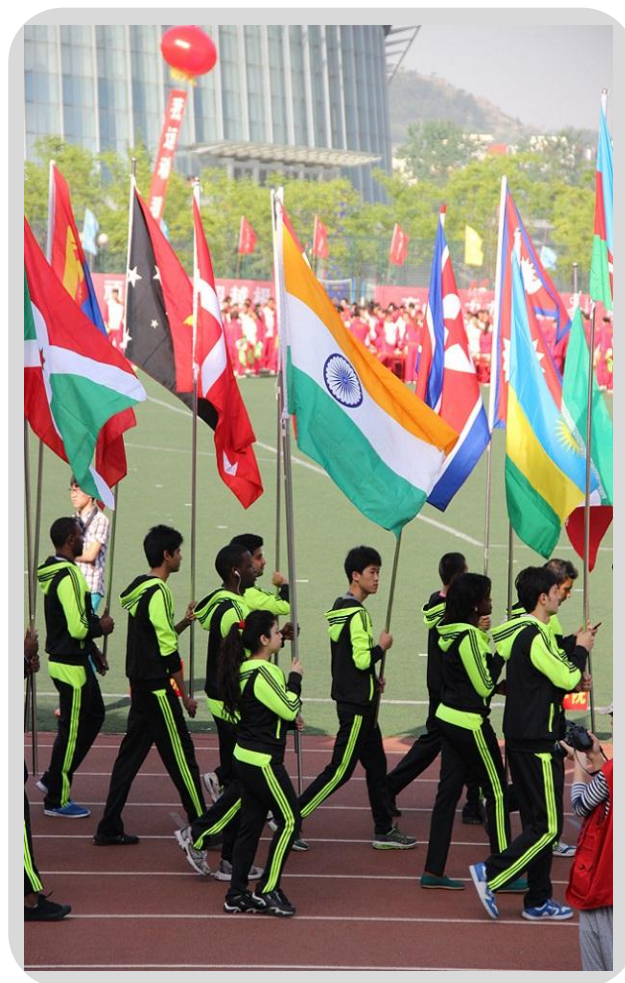




## UPC 2014 Sports Meeting kicks off

This year, overall 29 teams of 1307 students and teachers in Qingdao Campus take part in the sports meeting.

There are also series of colourful shows and performance at the opening ceremony, like drum beating, Tai-chi chuan and Cheer aerobics. Through sports and activities, students learn the meaning and significance of sports spirit, that is, perseverance, cooperation, optimism, competition and friendship



Students are beating drums at the opening ceremony.



## UPC 2014 Sports Meeting kicks off



Students are performing Tai chi Chuan.



Girls are performing cheer aerobics

Since its foundation, the university has put emphasis on sports and physical activities and held regularly sports meeting regularly through those years. Let's look back the history of the university's sports meeting.



## Memories of sports meeting in history



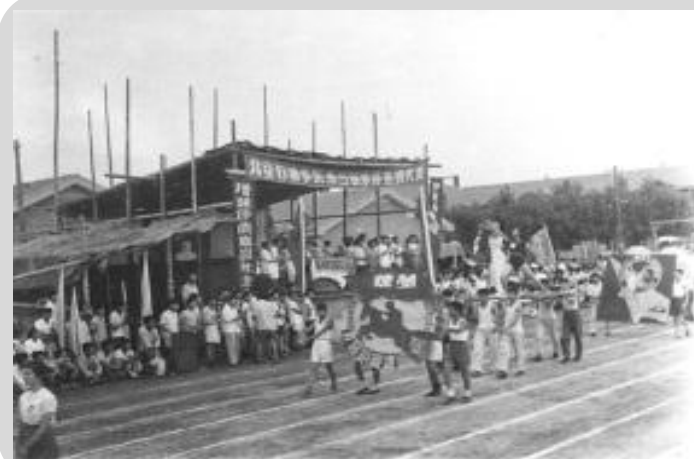
The opening ceremony of the first sports meeting (31, October, 1954, the period of Beijing petroleum institute)



Amateur women's gymnastics team was practicing uneven bars ( 4, July, 1956. the period of Beijing petroleum institute).



Amateur Men's Weightlifting Team was practicing (12, July, 1956, the period of Beijing petroleum institute).



The opening ceremony of the fifth sports meeting (8, July, 1958, the period of Beijing petroleum institute)



Fencing Team (10, July, the period of Beijing petroleum institute).



The fifth Beijing sports meeting of colleges and universities was opening in Beijing petroleum institute, on 16, May, 1959,



## Memories of sports meeting in history



The opening ceremony of the autumn sports meeting (12, October, 1959, the period of Beijing petroleum institute.)



Beijing Petroleum Institute won the championship of Beijing Football League on 10, April, 1963.



Hurdle race at the spring sports meeting (20, April, 1982, the period of East China Petroleum Institute).



The opening ceremony of the spring sports meeting (14, May, 1988, the period of University of Petroleum)



High Jump at the spring sports meeting (20, April, 1990, the period of University of Petroleum).



the spring sports meeting (1998, the period of University of Petroleum).



## Memories of sports meeting in history



The parades at the sports meeting (20, April, 2006 , the period of China University of Petroleum)



The running race at the sports meeting (on 30 , April, 2008, China University of Petroleum)



The relay race at the sports meeting (30, April, 2009, China University of Petroleum)



The sports meeting (18, May, 2012, China University of Petroleum)



the sports meeting (17, May, 2013, China University of Petroleum)



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## Love in UPC: 2014 Commencement Held



*2014 Commencement is held.*

On 26, June, UPC 2014 Commencement was held in Qingdao campus. Overall 6101 graduates attended the ceremony to celebrate their graduation. Alumni, parents, teachers were also invited to witness the exciting and unforgettable moment.

*This year, among the graduates, there are 4558 undergraduates, 1450 postgraduates, 74 doctors and 19 international students.*





## Love in UPC: 2014 Commencement Held

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In her speech, Shan Honghong emphasized the importance of dreams and responsibility and expected that students will value what they have and hold fast to their dreams. She also gave best wishes for graduates.



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*President Shan Honghong delivers a speech of "Cherish" to give advice and wishes for graduates.*

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*Alumnus Li Yang (Academician of Chinese Academy of Engineering) encourages graduates to work hard and make contribution to the university in the future.*

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# Love in UPC: 2014 Commencement Held



*Parent representative, Li Lihua, expresses thanks to the university.*



*On behalf of all graduates, Mengjuan and Xiepeng recite a poem "Today, We will graduate." for the university.*



*Students are happy to attend the commencement.*



*Students are celebrating their graduation.*



*Shan Honghong awards degrees for graduates.*



*An international student receives the degree.*



## “Culture Experience”--The First Dayeh University Winter Camp Successfully Launched

From January 11 -25, UPC's first winter camp in Dayeh University in Taiwan was successfully held. Thirty students and five faculties from six schools of chemical engineering, mechanic and electronic engineering, information and control

engineering, economic management, arts and science visited Dayeh University for a winter camp and experienced different cultures and

The winter camp, themed with “ Culture Experience”, consisted of several parts of course learning, expert report, Practical



The Opening Ceremony of The Winter Camp



Learning in Funs and Games



DIY Drinks on "Food Concoction" Class



A Professor of Dayeh University Gave A Class on "Interpersonal Relationship and speaking Art "





Basketball Friendly Match

operation, enterprise practice and life experience. More than twenty faculties of Dayeh University addressed splendid lectures and courses on diverse themes, such as "Interpersonal Relationships and Speaking Art", "Getting closer to Taiwan folks", which has impressed students with interactive and humorous teaching style. Practice courses in arts appreciation, money management and woodcarving combined personal interests, theoretical knowledge and practical operation together, which made learning more effective and attractive. Students and faculties also



Hand-making on "Creative Woodcarving" Class

experienced company cultures through practicing in different museums and bookstores.

During the camps, faculties from UPC held discussions with principals and leaders of Dayeh University about teaching systems, students exchange and campus cultures building.

In 2013, UPC and Dayeh University has signed agreements on academic cooperation, education and exchanges. The camp would set a good foundation for intercollegiate exchanges in the future.



## UPC Strengthens Partnerships with American Universities, Institutes and Enterprises

Recently, a delegation led by Shan honghong, the president of UPC were invited to attend the 2014 AIChE Spring Meeting and 10th Global Congress on Process Safety and paid visits to the headquarters of Cameron International Corporation, Texas A&M University, Rice University, the American headquarters of Shell, Chinese-American Petroleum Institute and Missouri University of Science and Technology.



UPC signs a memo for coopertion with Missouri University of Science and Technology

From 31, Mar. to 3 Apr., 2014 AIChE Spring Meeting and 10th Global Congress on Process Safety were held in New Orleans, which attracted over 1200 specialists and scholars from 30 countries and regions. The delegation of UPC conducted discussions and talks with attendees. 10 professors and doctor candidates from UPC took part in the Chinese parallel sessions. The delegation visited CCPA (Center for Chemical Process Safety )of AIChE. The two sides conducted talks about the further ways and space for cooperation and reached agreements on issues about

practical training, course design and technology promotion. “A memo of understanding on cooperation and exchange of UPC-CCPS” was signed, which indicated that AIChE will offer more opportunities and access for students majoring in chemical process of UPC to study and experience abroad. Meanwhile, Scott Berger, executive director of CCPS, is hired as the visiting scholar of UPC.

In the headquarters of Cameron, the delegation were in detailed discussion about innovation research programs for college students, exchanges between specialists, collaboration on technological development with leaders from Cameron. Two memos were signed for further cooperation on research, faculty exchange and scholarship.

In Texas A&M University, Pamela Matthews, vice president of the university, and Katherine Banks, dean of the Dwight Look College of Engineering held talks with the delegation and reached preliminary agreements. The delegation also visited chemical engineering and petroleum engineering laboratories and centers in the university.

In Rice University, the delegation exchanged ideas on issues about teacher training, cooperation on graduate education with vice president David Wise, deans and professors from schools of chemical engineering, environmental engineering, civil engineering, resources engineering and arts. President Shan Honghong also invited President David W. Leebron to come to China and visit UPC. The two sides are looking forward to that.



## UPC Strengthens Partnerships with American Universities, Institutes and Enterprises



UPC signs a memo for cooperation with Missouri University of Science and Technology

In Missouri University of Science and Technology, Chancellor Cheryl B. Schrader and president Shan Honghong signed a memo on comprehensive cooperation. The delegation also met with Warren Wray, Provost and Executive Vice Chancellor of the university, Laura Stoll, Vice Provost & Dean for Enrollment Management. Schools of engineering, arts, business, management and information and computer showed willingness for more communication and made several plans for cooperation in the short future.

The delegation also visited the American headquarters of Shell and Chinese-American Petroleum Institute in Huston. Besides, president Shan Honghong met with alumni and students who work or study there, talked with them about their life in America, and appreciated their concern for and contribution to the university. She also encouraged them to work and study harder and hoped that they will contribute more to the development of UPC in the future.



## The Opening Ceremony of The Ninth Chinese-British Master's Program of Petroleum Engineering is Held in UPC

On March 21, the opening ceremony of the ninth Chinese-British joint training on master's program of petroleum engineering (reservoir management) was held in UPC. Leaders from schools of geosciences, petroleum engineering, international education of UPC, professor Dorrik Stow, dear of school of petroleum engineering of Heriot Watt University, and 17 students (including 7 international students) attended the ceremony.

The two universities have established partnership since 2004. The master's program of petroleum engineering has been carried out for nine year and turned out 150 graduates. In

the program, courses are taught in English by faculties from the two sides. Students are graduated with master's degree of Heriot-Watt University which is widely recognized around the country. The teaching quality has been well received by the society with lots of students having become leaders or backbones of companies and institutions.

After the ceremony, Zha Ming, vice-president of UPC, held a talk with Professor Dorrik Stow and exchanged ideas on issues about intercollegiate collaboration in the future. They have also reached some agreements on summer courses, faculty exchange, and academic cooperation.





## Hossein Ganji doust, Science and Technology Counsellor of Iran Embassy in China Visiting UPC



Recently, Hossein Ganjidoust paid visit to UPC and was warmly welcomed by Vice-president Zha Ming. He is the science and technology counsellor of Iran Embassy in China and professor of Tarbiat Modares University. The two sides held talks and exchanged ideas about the future cooperation between UPC and Iran universities.

Vice-president Zha Ming first gave a general introduction about UPC. He said China and Iran has always been in friendly diplomatic relationship, especially on the issue of energy and resources. Based on this, UPC has built partnership with universities and institutes in the Middle East and is looking forward to deepen cooperation with Iran universities on academic research, student and faculty exchange and etc.

Hossein Ganjidoust spoke highly of the strength and advantages UPC has enjoyed in petroleum education. He agreed that the two sides should promote more communication in the future and conduct different forms of collaborations. Iran has attached great importance to the communication in culture, education and technology with China those years, he added.

After discussion, the two sides succeeded in signing a memo of cooperation. UPC and Iran universities will hold together academic conference, launch summer schools or cooperate in graduate education. Hossein Ganjidoust also visited laboratories of schools of petroleum engineering, chemical engineering, pipeline and civil engineering.



## South Korea Youth Delegation Visiting UPC

On 4, June, a youth delegation from South Korea paid visit to UPC. It was composed by principle offices of MOGEF (Ministry of Gender Equality & Family) and college and secondary school students representatives. President Shan Honghong and leaders from the President's Office, International Office Youth League Committee met with the delegation and conducted discussions with the delegates.



The two sides exchange gifts.



Students from UPC give a chorus.

President Shan gave a general introduction about UPC, including its advantages and international cooperation. She said, the university is willing to broaden cooperation with Korean universities with the hope that students of the two sides will learn about each other and increase mutual understanding. Kim Sung Byuk, the head of the youth

delegation, expressed the same wishes and hoped that the two sides can make efforts together to promote the growth of the young generation.



Students from South Korea perform taekwondo



The delegation visits the oil drilling model.



The delegation visits the history museum of UPC.

Students from the two sides offered a wonderful performance, including orchestra, taekwondo, folk dance, hip-hop and chorus.



## UPC Strenthens A Solid Foundation for Further Cooperation with University of Calgary

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**R**ecently, the delegation, led by Ji Xiaotian, deputy secretary of the CPC Committee of UPC, visited University of Calgary in Canada. The two sides conducted discussions on bilateral exchanges and cooperation in the nearest future.

Ji Xiaotian gave a general introduction to UPC's current conditions and on behalf of the university, expressed thanks to University of Calgary for their support and cooperation on scholar visiting, information sharing and joint education. Especially for 2013, ten professors of UPC have been abroad for one-week academic exchange in University of Calgary, which has proved to be good practice.

Janaka Ruwanpura, vice president of University of Calgary, spoke highly of UPC for its honorable history and remarkable progress, and believed UPC enjoys distinct advantages in oil and gas research and teaching which means that the cooperation would be promising. The two sides made detailed dialogues on agreements on new projects.

During the visit, the delegation also paid visits to the British Columbia Institute of Technology and Southern Alberta Institute of Technology, and made surveys on experimental equipments for teaching and research.

## UPC Strengthens Partnership with University of Tulsa

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**O**n 6, March, the delegation led by Cheryl Matherly, vice-dean of International Education School of University of Tulsa pays a visit to UPC and holds talks with Zha Ming, Vice-president of UPC.

Zha Ming shows welcome for the visiting

and expresses the wish to furthering collaboration with University of Tulsa. He hopes that the two sides make great efforts to strengthen cooperation in academic exchange and joint education through the "2+2" program.

Matherly expects that the two universities broaden the space for collaboration in the future and explore more opportunities to promote internationalization of higher education mutually.

During the visit, the delegation also holds discussion about cooperation issues with

leaders from school of geosciences, school of chemical engineering, school of economics and management and exchanges ideas with them about procedures, detailed arrangements of the practice of the “2+2” joint education program.

## UPC Strengthens Partnership with Missouri University of Science and Technology

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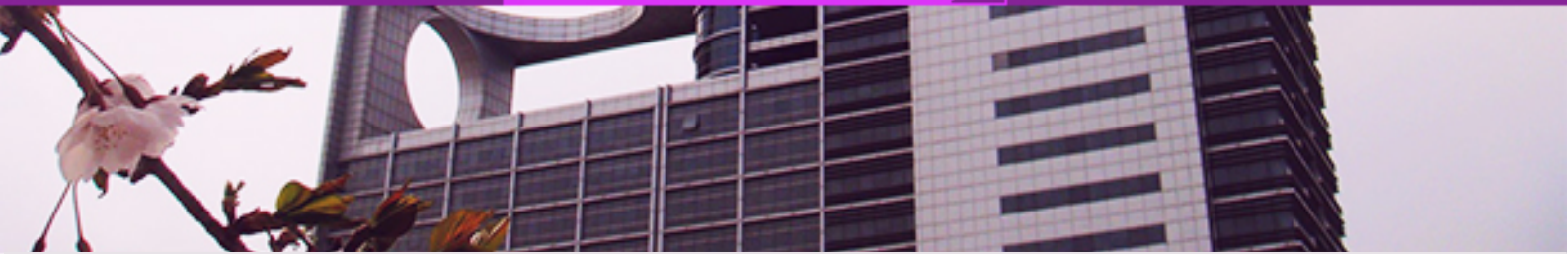
**O**n March 25, a delegation from Missouri University of Science and Technology paid a visit to UPC. The two sides held talks about faculty exchange, summer courses and academic exchange and reached agreements on these issues.

Zha Ming, vice president of UPC, first made a brief introduction about the development of international collaboration of UPC with universities abroad, and said that the joint programs on geosciences and petroleum engineering of the two universities have achieved good results and are proved to be successful. He hoped that the two sides

further deepen collaboration in more fields, such as chemical engineering, management, Computer Science and Technology and etc.

Laura Stoll, Vice president of Missouri S&T spoke highly of the teaching quality of UPC. As he said, UPC students who have been sent to Missouri S&T are all hard working and diligent. The university also has further plans to broaden collaboration with UPC in higher level. He said students from UPC are always welcome to the university which will offer more scholarships and better resources for them.





## Research Achievements on Equipment Fault Diagnosis Are Reported by Renewable Energy Global Innovations

Recently, research achievements on equipment fault diagnosis worked by one research group of UPC are reported by Renewable Energy Global Innovations as Key Scientific Article.

The research group is led by Cai Baoping and Liu Yonghong from College of mechanical and electronic engineering. The fault diagnosis method presented by Cai, based on Multi-source information fusion technique and Bayesian network, is capable of diagnosing multiple-simultaneous faults and supplemented by observation information. The discovery has been published on Applied Energy( Volume 114, February 2014, Pages 1-9) and reported by Renewable Energy Global Innovations.

Focusing on Offshore Oil and Gas and equipment fault diagnosis, the group has made great progresses on fault diagnosis and reliability theory research, and published more than 30 papers on international key magazines, such as Applied Energy, Risk Analysis, Reliability Engineering and System Safety, Expert Systems with Applications.

# 2014 International Workshop on Digital Core Analysis Technology Held in UPC

From 5 to 6, June, 2014 International Workshop on Digital Core Analysis Technology, hosted by UPC, was successfully held in UPC, Qingdao. More than 100 scholars and experts from domestic and overseas universities, institutes and companies attended the workshop.



2014 International Workshop on Digital Core Analysis Technology is held.

The workshop attracted professors, Ph.D candidates and research fellows from overseas universities, such as Imperial College London, New South Wales University, University of Calgary, CSIRO (Commonwealth Scientific and Industrial Research Organization), Heriot-Watt University, etc. With the theme of “Digital Core Technology Research, Pore Network Model Flow Simulation and its Application”, attendees gave reports and exchanged ideas on the future of theory, technology and application of digital core.

In the past few years, digital core analysis



Foreign experts give reports at the workshop.

technology has witnessed rapid growth. Universities and institutes at home and abroad have gained different experiences and developed features of their own. The digital core is formed with CT and construction method to create 3D cores for analysis of its physical properties, simulating the flow through it, and investigating the production conditions, fluid distribution and production mechanism in order to increase recovery. Digital core analysis technology workshop, launched by Center of Oil and Gas Flow Through Porous Media of UPC in 2012, offers an important platform for communication and cooperation between UPC and overseas universities, through which number of teachers and students has gone abroad for study and research and meanwhile, more and more foreign experts have been attracted to China and conducted joint researches with UPC.



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## Workshop on New Perspectives on Deep-water Sandstones Held in UPC



Dr. G. Shanmugam is giving lecture.

May12-13, 2014, workshop on new perspectives on deep-water sandstones was held in UPC by school of geosciences. The topic is deep-water process sedimentology and unconventional oil & gas detection. Scholars and students from more than 20 universities and institutes attended the workshop.

Dr. G. Shanmugam, a internationally renowned polemic and a pragmatic process sedimentologist from University of Texas-Arlington, was invited to give lectures on the workshop. His research focus on deep-water process sedimentology, mass-transport processes, bottom currents, Sandstone diagenesis and organic geochemistry. In the lecture, he put emphasis on the dynamic mechanics of landslide and trigger mechanism of sedimentation and gave in-dept exploration on the process and causes of deep-water sedimentation.

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## Findings on Finite Research from the Research Group Led by Associate Professor He Qingqiang, are Reported by Vertical News, An American Tech Media.

Recently, Vertical News, an American tech media, reported findings of the research group led by He Qingqiang, associate professor of college of mechanism and electronic engineering with the title of “Findings from Q.Q. He and Co-Researchers Provides New Data on Finite Research”.

The paper, “Thermo-mechanical modeling and simulation of microstructure evolution in multi-pass H-shape rolling” has been published by Finite Elements in Analysis and Design (Volume 76, 15 November 2013, Pages 13–20). As the research stated, a set of mechanism-based constitutive equations was developed to model the effects of microstructure evolution on elastic-plastic flow of Q235 steel. This set of equations is implemented into the finite element (FE)

solver ABAQUS for multi-pass shape rolling process simulation. The procedure for multi-pass rolling simulation was developed, a scheduled multi-pass rough rolling process of H-shape steel was carried out and the accuracy of the equations was validated by comparisons between the calculated mill load and measured ones. A numerical orthogonal experiment was designed to investigate the effects of rolling parameters on the microstructure evolution.

He Qingqiang has been working on finite elements theories and its engineering application for years and gained rich experience in these years.

Vertical News is a professional media for new ideas in science and focuses on new progresses and breakthroughs in science and technology.





## Zong Zhaoyun Won Li Siguang Outstanding Students Award

**Z**ong Zhaoyun won Li Siguang Outstanding Students Award.

On December 29, 2013, The Fourth Li Siguang Outstanding



Students Awards Ceremony was held in Beijing. Zong Zhaoyun, one of doctor candidates from school of geosciences of UPC won the honor and attended the ceremony.

Li Siguang Outstanding Student Awards is designed to encourage students majoring in geosciences to make contribution to the socialist modernization. It is also to memorize the significant contribution of Li Siguang, the geologist and educator, to the science and geological education of China and regarded as the highest honor in the field of geology. This year, 14 students won the award, of whom there are 4 doctors, 5 postgraduates and 5 undergraduates.

Zong Zhaoyun, the doctor candidate of Geodetection and Information Technology, focuses his research on the fields of Oil and Gas Reservoir Geophysics. Since 2008, he has participated more than 10 major projects as leader or key member, such as NSFC(Natural Science Foundation of China), Projects of 973, 863, and published 20 papers.

# Alexander Olah is Awarded as the National “ Favorite Foreign Teacher” by SAFEA

Recently, Alexander Olah, a foreign expat of UPC, is award as the national “Favorite Foreign Teacher” by SAFEA (State Administration of Foreign Experts Affairs). The national “Favorite Foreign Teacher “is a contest organized by China Society for Research on International Professional Personnel Exchange and Development and geared to strengthen the communication between college students and foreign teachers, which will be good to the internationalization of higher education in china. The contest has drawn the attention around the country and attracted 217 foreign teachers to attend. Finally, 50 foreign teachers are among the list and awarded as the national “Favorite Foreign Teacher”.



Alex Olah with International Trade Class 1201, December 2013



Alex Olah with Distance Education students  
8 December 2013.



Alex Olah with Distance Education students, 8  
December 2013.

Alex Olah discussing the book with Shan Hong  
Hong, President of UPC, 26 September 2013.



Alexander Olah is a retired office and previously worked for the Australian Trade Committee for thirty years. Since 2009, he began to work in UPC in both Dongying campus and Qingdao campus. Those years, he mainly gives classes on oral English and British and American Culture. In spare time, he takes part in English Corners and helps students with English study. He also provides financial aid for a student.



Alex Olah and Zhu Shan(the translator of the book) at book signing in UPC Library, 30 September 2013.



Alex Olah and Zhu Shan(the translator of the book) interviewed on campus radio about the book, 7 November 2013



## 洋眼看石大

——亚历克斯·奥莱和薇拉·奥莱在中国石油大学（华东）的经历

IT'S ALL ABOUT THE STUDENTS

The experiences of Alex and Vera Olah at the China University of Petroleum (East China)

Alex Olah (澳) 朱 珊 著

中国石油大学出版社

The book-It's All About The Students(Chinese: 洋眼看石大) is available on Amazon.cn.

After working as an English instructor for four years at China University of Petroleum, he wrote a book "It's all about the students", which is based on his interactions during his first two years teaching students in UPC. It is Olah's first book, and its publication coincides with UPC's 60th birthday last September.

## Professor Wang Haiqing Attends the 5th World Conference on the Safety of Oil & Gas Industry



Professor Wang Haiqing gave a report on “Determination of Scenario based Individual Risk Criteria and Its Reallocation under LOPA Framework”.

Recently, the 5th World Conference on the Safety of Oil & Gas Industry (WCOGI 2014) was held in Okayama, Japan. The conference attracted more than 300 experts and researchers from safety and environment related areas of different countries. They shared opinions and ideas, new research results on the theme of “Safety and Environment for the Future of Energy and Process Industries”. Haiqing Wang, a full Professor of UPC from College of Mechanical and Electronic Engineering attended the conference under the invitation of WCOGI Committee and gave a keynote speech with title of “Determination of Scenario based Individual Risk Criteria and Its Reallocation under LOPA Framework”.

Professor Wang, as a Alexander Humboldt Scholar (Germany) and the academic leader in the field of safety and engineering science in UPC, has been committed to the research of process safety management, safety instrumented system and reliability engineering and production system. In his speech, based on the individual risk tolerable criterion

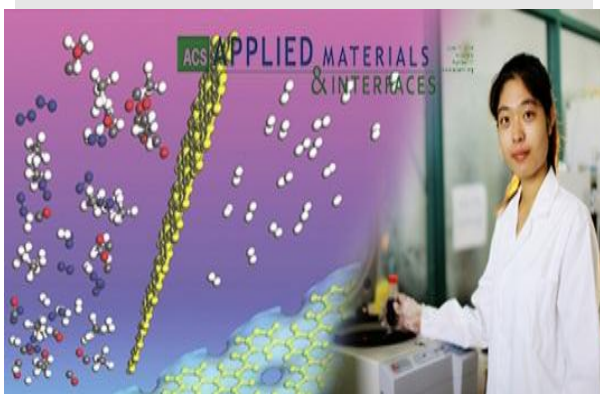
(RTC) value mandated by Chinese Regulation Code No.40 of the State Administration of Work Safety (SAWS) of China, Prof. Wang proposed a new and structural procedure to obtain Scenario-oriented Individual Risk Tolerable Criterion (SIRTC), i.e., from the statutory RTC of a facility to specified process unit/section and then to a creditable scenario and thus avoid the common mismatch in risk comparison, and the inconsistency caused by empirical apportioning methods.

As an international academic conference, World Conference on the Safety of Oil & Gas Industry(WCOGI)was launched by the government departments and universities related to the oil and gas production safety from the United States, Korea and European countries in 2006. WCOGI is held for every 1 to 2 years in different countries, aiming to strengthening the international academic exchanges and cooperation for oil and natural gas safety science and engineering, promoting the applications of modern safety science and technology in oil and gas industry, improving the establishment of a people-oriented oil and natural gas safety engineering technology system, reducing the oil industry accidents as well as production losses, and finally realizing the essence of security of oil and gas production.

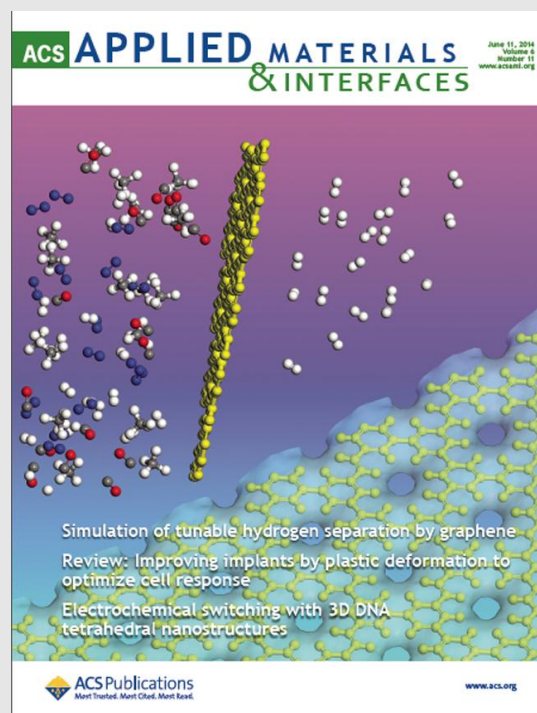


# UPC Postgraduate has Front Cover Publication on ACS Applied Materials & Interfaces

Recently, Tao Yehan, the postgraduate student from College of Science has her research findings “*Tunable Hydrogen Separation in Porous Graphene Membrane: First-Principle and Molecular Dynamic Simulation*” published on the cover of ACS Applied Materials & Interfaces (2014, 6 (11), 8048–8058, Front Cover). The journal ACS Applied Materials & Interfaces is sponsored by American Chemical Society.



Hydrogen gas, odorless and non toxic, is regarded as the most potential environmental friendly new energy in the 21th century. The separation and purification of hydrogen gas is the critical problem that restricts the wide application of hydrogen energy. The author researched the hydrogen separation in Porous Graphene Membrane by First-Principle and



Molecular Dynamic Simulation. She found that hydrogen can be efficiently separated from mixture of nitrogen, carbon monoxide, methane and hydrogen in Porous Graphene PG-ES Membrane. The paper also explained the principle of gas separation in Porous Graphene PG-ES Membrane with the energy barrier modal. The research is significant for the design of new efficient hydrogen separation membrane. The research is sponsored by National Nature Science Foundation of China, Ministry of Education of China and China University of Petroleum.



## 30% of UPC Graduates Got Employed by the Global Top 500 Companies in the Year of 2013

Recently, UPC has released its “Report on Employment of Graduates, 2013”, which is the first report about the employment quality of UPC.

In 2013, the initial employment rate has reached to 90.68%, among which two majors at undergraduate level, 22 at graduate levels and 13 at doctoral level have come to 100%. Of those who has signed contracts, over 50% has got employed by the global top 500 companies, which indicates a bright employment outlook this year.

According to the report, there are 6129 graduates in 2013. 1922 students have found a job in global top 500 companies, accounting for 31.36% of the total and 54.51% of those who has signed contracts, among which there are 28 doctors, 564 masters and 1329 bachelors.

Overall, 30% of graduates chose to work in petroleum and petrochemical companies

while another 30% prefer other companies. Almost 30% go abroad for further study after graduation, which has saw an increase year by year and 10% become self-employed. The east and north region are the largest concentration for graduates which attract 70% students to work here.

The report has touched off hot discussion and reflection among faculties and students. Someone held that it would be irrational to fully depend on it when a student chose a major. Zhao Fanghui, director of Employment Guidance Center, commented that the report is more a reference than a conclusion and it can't foresee the employment situation in the following four years. But, as he adds, it will be helpful for the university to get a full picture of the employment and make changes in programmes when necessary.



## Seventeen Undergraduates Exchange Programs Successfully Receive CSC Funds

Recently, CSC (China Scholarship Council ) released the list of 2014 undergraduates exchange programs. Seventeen programs from UPC have been successfully approved and funded, which means that 91 outstanding graduates will go overseas for study, practice and thesis. Institute. The other eight projects managed to receive continuing support from CSC.

Among the seventeen projects, nine projects are newly launched in 2014. The new projects will broaden partnerships with universities and institutes outside the country, such as University of Calgary, University of Queensland, Florida State University,

Norwegian University of Science and Technology and Abu Dhabi Petroleum following two months, volunteers will conduct services in schools, communities, scenic spots, villages and gerocomiums around campus.

Undergraduate exchange programs are geared to excellent undergraduates (sophomore or higher ) who want to and are qualified enough to study abroad. They would conduct course learning, thesis writing or experimental experiences at overseas universities for three to twelve months. In 2014, 3000 students from 100 universities will go abroad for study under the funds of CSC.

## The Volunteer Station for World Horticultural Exposition 2014 is Set Up in UPC

The World Horticultural Exposition 2014 will be held in Qingdao from 25, April to 25, October. To ensure the quality of service for the Expo, eighteen universities and organizations are authorized to be volunteer stations and will be responsible for volunteering work. UPC become one for them and will offer volunteer service for the Expo.

UPC will select 50 qualified students to serve as volunteers. They will offer volunteering work for 21 days during the Expo. Volunteer recruitment will be charged by Youth League Committee of UPC. Volunteers should possess the basic knowledge and skills, such as foreign language proficiency.

## Study Abroad Training Base of CSCSE is Established in UPC

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On 14, March, UPC and CSCSE (Chinese Service Center for Scholarly Exchange) officially signed an agreement on the establishment of study abroad training base in UPC. Wang Ruihe, vice-president of UPC and Che Weimin, deputy director of CSCSE, attended the ceremony.

According to the agreement, CSCSE will provide policies and guidance for the base, participate in the design of training programs for overseas study, conduct assessment on teaching quality of programs and also be responsible for training procedures and affairs of students who receive training in the base.

UPC will make every effort to be qualified as the model of exchange service.

In the next stage, UPC would introduce high grade projects of over 20 universities from Britain, USA, Canada, Australia, New Zealand, Russia, Azerbaijan and etc. It has planned to launch various forms of projects for joint education to meet students' need at different levels.

The establishment of the training base for study abroad will improve the level for overseas study service and broaden more access to student exchange, which will carry forward the internationalization.

## UPC Students Got Good Marks in MCM 2014

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Recently, the result of 2014 MCM (The Mathematical Contest in Modeling) has been released on its official website. 40 teams from UPC attended the contest and have achieved good marks with four "Meritorious Winner" and eleven "Honorable Mention".

MCM/ICM, one of the best known international contests, is held annually and comprises MCM (Mathematical Contest in Modeling) and ICM (Interdisciplinary Contest in Modeling). In 2014, 7784 teams from 18 countries or regions compete in the contest. The contest offers four awards: Outstanding Winner(1%), Finalist(1%), Meritorious Winner(9%), Honorable Mention(31%).



## Social Practice in The Winter Vocation: On The Way of Dreams

In the past two months, UPC students spent their winter holiday on different social practice. Some of them paid visits to their middle schools to introduce UPC while others chose to do surveys or volunteering work, which mad them live a rich and meaningful holiday.



Seniors in high schools are watching the vedio "Image of UPC"



Getting back to high schools and sharing

They got closer to the society and different lifestyles of groups and understood themselves better through these experiences.

Through volunteering work , they knew more about hot social issues , such as the problems of PM 2.5 , Spring Festival travel, health care and etc.



Doing questionnaire surveys outside the campus

when the ending of the vocation is approaching, students are busy with their summary of practices. They analyzed data, shared experiences and discussed problems or difficulties in the practices with teachers and friends. Social practice would be good for their study and life and help them a lot on the way of achieving their dreams.



Home tutoring for free



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## The Ninth Volunteering Festival of College Students Kicks Off

At the approaching of Lei Feng's Day (a Chinese festival to honor Lei Feng's contribution to the country), the ninth volunteering festival of college students kicks off in UPC campus on fifth, March. In the following two months, volunteers will conduct services in schools, communities, scenic spots, villages and gerocomiums around campus.



Volunteers are repairing electrical appliance for students.



The opening ceremony is launched in campus.



Many students are interested in volunteering work.



Volunteers are making a vow to stick to volunteering work.

They would put Lei Feng's spirit of dedication to the people into practice and encourage more students to participate in volunteering work.

Themed with "To be a volunteer, to fulfill your Chinese dream", the volunteering work



A volunteer is introducing volunteering service to international students.

this year focuses on spurring the spirit of dedication among young students and encouraging personal agency for social development. UPC has always been active in volunteering work and has won recognition and respect from the society.



# Girls' Day: A Dance of Youth

The one month "Girls' Day", which will come to end in early April, has proved to be successful. It has provided various opportunities and platforms for students to show themselves and gain experience in activities.



**Boys show their concern and love for girls.**

**Girls' Day, a traditional festival for girls in UPC, kicks off at the beginning of**

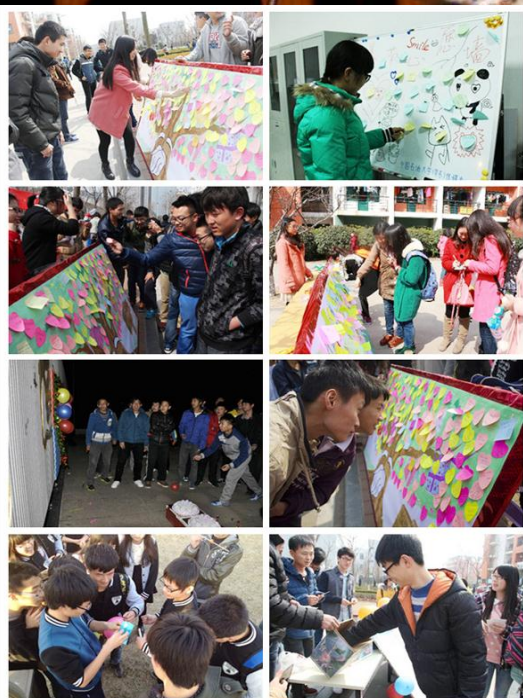


**The president Shan Honghong talks "Youth" with and gives advices to them.**



**During the festival, there are lots of events and activities for girls.**

**Girls write down their wishes on wishing walls or posters and boys will help them to fulfill those wishes these days**





*Students sing and dance for the young age and their future.*



## Girls' Day

*During the period, students have learned a lot outside books and enjoyed the special days together. They will greet the future with more confidence and dreams.*

*Girls who are popular among students are regarded as "the Stars of Smile".*





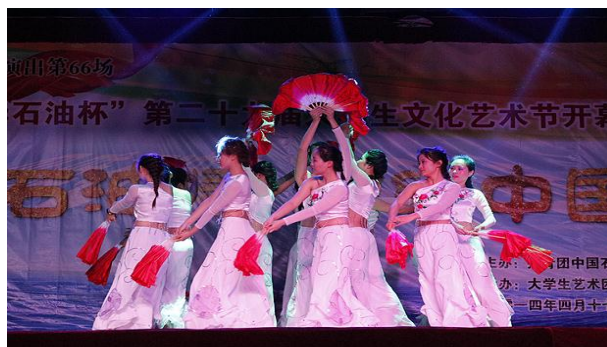
## The 29th College Students' Cultural Festival Kicks Off

Recently, the 29th College students' Cultural festival kicks off in UPC. The gala for the opening ceremony was held on 17, April.

The one-month festival will focus on cultural and art activities, which will help to create an active and colorful culture around the campus. It will offer opportunities and platforms for students to show themselves and gain experience through different activities. It covers over twenty major events around the campus, such as Chinese painting and calligraphy exhibition, design competition of campus culture products and music concerts with different subjects.



A cheer aerobics, "Let's dance"



a group dance, "Flower in the rain"



Performance of Beijing opera



A hip hop show



Orchestral performance, "Radetzky March"

At the same time, the 8th graduates' cultural festival was opened with the English Talent Contest for graduates. It will last one month and offer various cultural activities with exhibitions, lectures and competitions. It will tap the artistic potentials and promote artistic appreciation among students.

### Graduates' English Talent Contest



# World Youth Leadership Summit Successfully Held by College of International Education

On 25th April, World Youth Leadership Summit organized by College of International Education was successfully held in UPC.

More than 40 international students from 16 countries attended the conference. Themed with "Protection of human rights under the terrorism", the summit aims to strengthen communication and understanding through simulating the UN meetings.



In the Q & A session, Bertrand Sunjo Berinyuy, representing the United States of America, answered sharp questions raised by the representatives of Republic of Iraq and the Syrian Arab Republic. In the

session of free discussion, all of the representatives conducted in depth exchanges and were involved in a "very intense discussion". In the end of this summit representatives reached a consensus: Only the effective coordination of counter terrorism and the protection of human rights can help us to build a peaceful and safe world.



At present there are more than 700 international students from 67 countries studying in UPC. This summit has established a platform for them to communicate and understand each other better.



# The First Media Culture Festival of UPC Successfully Held



The opening ceremony is held with the national noncommercial advertisement collecting activity.

From 12th April to 10th May, the media culture festival of UPC was held around the campus. It is the first attempt for UPC to make students learn more about the media, traditional or new, and improve their ability of media application



Media Experts gives lectures about the growth of new media and its influence on college students.

Students learn and experience different media through activities.

The one-month festival, organized by College Students' Media Center, Weibo Association of UPC and other student associations, has attracted attention from other universities in Qingdao, such as Ocean University of China, Qingdao Technological University, Qingdao Agriculture University and Qingdao University of S&T. It has offered a series of activities about media of different types, such as photography competition, webpage design competition, dubbing competition and essay competition. Beside these competitions, the organizer also invited scholars and experts of media to give lectures and reports, which has provided a general and basic knowledge for students.



## UPC Celebrates Alumni Activity Week

On 23, May, the alumni activity week begins in UPC. In the next couple of days, the university will organize various activities for alumni and offer different platforms to promote the communication between students and alumni.

● In the morning, “the home of UPC alumni” is officially launched. It will build a bridge between the university and its alumni. The alumni can give support and make contribution to the development of the university through different ways. For example, they can give lectures and hold salons or gathering events at the home of UPC alumni”

The home of UPC alumni officially launched.



● In the afternoon, the university holds the opening ceremony of the activity alumni and conducts interviews with the alumni. Vice president Zha Ming gives the welcoming address at the ceremony. On behalf of UPC, he appreciates the contribution of the alumni from all walks of life and hopes that more connections between the university and the alumni should be realized



Vice president Zha Ming gives the welcoming address.

The opening ceremony of alumni week is held.



● During the interview, alumni of the three periods, that is, East China Petroleum Institute, University of Petroleum, China University of Petroleum, share their experiences and memories about their life in UPC with students. They give wishes to students and encourage them to study and work harder to fulfill their dreams.

Alumni from different walks of life share their experience in UPC.





## International Students from UPC Won Second Place in Qingdao “Star of Chinese” Competition



On May 24th, SIN JONG GUK from North Korea and KHALID MAWLID HAMUD from Somali, who represented international students of UPC, attended the “star of Chinese” final competition. In the competition, their outstanding performance impressed the judges. Finally, they got the second place in team competition. Besides, SIN JONG GUK won the “Best Chinese Handwriting Award”.

This competition was held by Qingdao government. It was aimed to improve Qingdao residents’ ability of comprehensive Chinese language application, and promote Chinese traditional culture. QTV-5 will broadcast this final competition.

# Shandong Kerui Group Held Job Fair for International Students in UPC

On 12, June, an on-campus job fair for UPC international students is successfully held.

The job fair has two parts. The employer, Shandong Kerui Group, first gave a presentation about the company, job vacancies and salary treatment and then conducted interviews for students who were interested.



More than 40 international students attended the job fair. They are from different countries such as Russia, Kazakhstan, Pakistan, the Republic of Congo, Uganda, and cover varied majors of petroleum engineering, chemical engineering and technology, oil-gas storage and transportation engineering, business management, international economics and trade, etc.



## The Interview

With the development of overseas oil business, Chinese companies have an increasing demand for international students who are qualified with professional knowledge, multi-lingua capability and multi-cultural understanding. International students from UPC are becoming more and more competitive with solid knowledge and foreign language ability. The job fair offers more access for international students to be employed and get familiar with the employment situation in the world market.





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