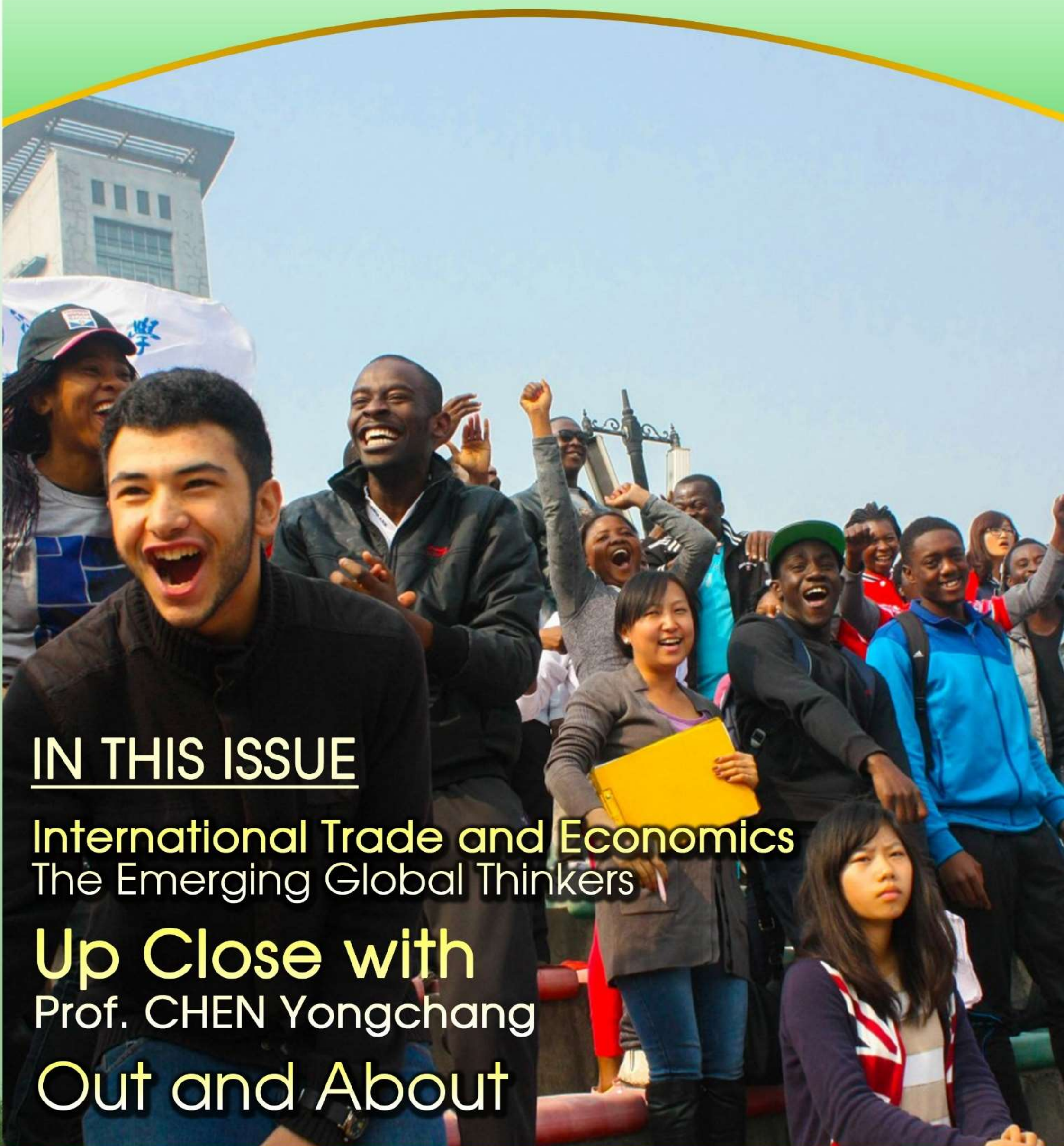


# THE *Olive*

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OFFICIAL NEWSLETTER OF THE OVERSEAS EDUCATION COLLEGE



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**International Trade and Economics**  
The Emerging Global Thinkers

**Up Close with**  
Prof. CHEN Yongchang  
**Out and About**





# FOCUS

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## EDITOR-IN-CHIEF'S MESSAGE

won a number of medals and awards, thanks to the visionary leadership of Prof GAO Jing, supportive staff and hardworking students - an evidence that the college is actualizing the University's policy of internationalisation.

This issue features the sensational life-transforming life builder conference and the enviable position occupied by OEC in the recent colourful 2013 Sports Meeting. The introduction of new topics in The Olive such as out-and-about, spotlight on food joints, opinion poll on Chinese foods are also given great prominence in this edition. In the research field, the focus was on the Engineering Research Group with special highlights on Fluidic Sprinkler Technology. Other must-read areas include an exclusive interview with Prof. CHEN Yongchang, chairman of the Department of Physiology, Jiangsu University, and a unique exposition on International Economics and Trade (IET) program. Finally, very interesting and catchy articles which cannot escape the eyes are strongly accentuated for your reading relaxation.

Consistent with our policies, I encourage members to contribute positively towards each edition of the newsletter. The expectation of The Olive team is to sustain the wave of special acceptance among the numerous readers.

Lastly, I welcome all freshmen to the college. It is my expectation that you find Jiangsu University a pleasant place to pursue your academic studies.

Wishing our readers "Bonne lecture" and the very best for the New Year, 2014!

Caleb Kesse Firempong,  
Editor-in-Chief

## FROM THE DEAN'S DESK

A very good work deserves commendation from all. The work that went into the maiden edition of The Olive continues to amaze me. The collaborative effort displayed by our gifted students during the production of our newsletter was impressive. As I reflect on these moments, the enthusiasm on the faces of our professors, students and parents says it all.

I wish to say that this second edition marks another channel of our new communication that aims to keep our students (both past and present) updated about the happenings at Jiangsu University (JU). Our pool of students and alumni represent a diverse collection of capabilities and a unique opportunity for networking; whether social or academic. Currently, The Olive has become a repository of developmental information and activities within the college. Equally important is the effective communication gap-filling role that it is actively playing among members.

Excitedly, the academic year (2013/2014) began with a lot of activities like the special visit by the Ministry of Education, China, arrival of freshmen, matriculation and some thought-provoking lectures from seasoned visiting European and US professors. There were also all inclusive seminars and conferences with the sole aim of empowering students academically, socially and culturally for life. This semester further witnessed the male athletic team producing a stunning performance to clinch the first position in JU Sports Meeting with an overall third best. In football, the OEC team successfully defended the golden cup by winning all their matches. I am very proud to be part of these unfolding historic events.



Additionally, I am very delighted to announce the graduation of some students this January. They have led by a shining example and contributed their quota to the progress of our college. In line with our strategic road map of which includes covering virtually all courses in English, the college is coming up with new bachelor and graduate programmes to be run next academic year.

The achievement of the college is unquestionable and I appreciate the hard work of the staff, students and other associated bodies. I have strong conviction that the college is soaring to the greatest level of academic excellence. However, the path is challenging and as a great family, we will certainly succeed.

Finally, I express my appreciation to all key players who have supported the college till this day.

I hope you have a warm and cozy vacation!

Prof. GAO Jing  
Dean - Overseas Education College



## INTERNATIONAL TRADE AND ECONOMICS The Emergence of Global Thinkers

The *Practice of International Trade* was evaluated and chosen by the Ministry of Education as the national brand course in English for foreign students coming to China, which is a solemn confirmation of the teaching quality in Jiangsu University during the year 2013.

Amidst the economic conflicts and crises that currently characterize most countries, hopes of development rely heavily on economic recovery. This has led to the introduction of the International Economics and Trade (IET) program. This program throws more light on the economic challenges and problems most nations and companies are facing while doing cross-border business and aims to equip students with the required knowledge to strategically handle cross-border business. With a firm foundation in economics and trade built up over four years, students specialize in international economic issues such as international trade patterns and policy, globalization and its trends. While focusing on individual and corporate transnational interactions through market exchange and trade, IET graduates become "global thinkers".

There is a wide misconception that the IET

coursework is easy, but actually it is quite the opposite. The courseware consists mainly of solid and systematic theories based on the business practices of international trade. These include Microeconomics and Macroeconomics, Theory of International Trade, International Investment, Accounting, and International Trade Practice, Multinational Management, International Logistics Management, International Technology Trade, International Marketing, International Business Culture and Etiquette, just to mention a few. This program was introduced as a solution to the various problems foreign nationals face when doing business in China, with special effort to bridge the communication gap. Although a lot of emphasis is placed on doing business with China, students are trained and equipped with the skills and knowledge needed to do business globally.

The great industrialist Henry Ford once said, "Vision without execution is just hallucination". In line with this, the School of Finance and Economics seeks to empower students with the ability to both envision and execute business plans through the nicely knitted four year IET program.

Students often have practical classes which usually give them an opportunity to link what they study in class to the real world. The school spares no effort in organizing social investigations, field surveys and professional practices with local companies such as Shangye Auto Parts Company, Xinyuan Silk Co. and TCP Electric Company, etc. As a result of the exposure to real business environment and professional practices, some students have already cultivated a lot of life building concepts which they have applied in running their personal businesses.

After graduation with bachelor's degree, students can become management and economic talents in foreign trade companies. Employment opportunities include career development in national and international foreign trade organizations such as financial institutions, NGOs, government agencies etc.

In conclusion, the crucial distinction between IET and other business programs is that it seeks to bridge the gaps created during international transactions.

Let's hear from the first batch of IET students



*Some business courses made me realize that a good business plan is not only about what you put into it, but it being clear and unique. This helped me to establish the first digital recording studio in Zhenjiang. (HDMEZ records)*  
- Festus



*Chinese business has a unique culture hidden deep within the language. An example is asking for a name. In basic chinese it's 您叫什么名字, in business chinese it's 您怎么称呼.* - Francis



*Our course is an all-round program. We learn human relations, fundamental knowledge business skills etc.* - Gerel



*China's quick economic development drove me to add it to the list of countries I had lined up for my bachelor studies. After three years of study, it's safe to say that the business world, from my point of view, starts with the understanding of the laws.*  
- Augustine



*When we visited the silk and textile companies, it improved our comprehensive management knowledge and practical skills*  
- Cynthia



IET students on a field trip

# NOTABLE EVENTS IN RETROSPECT

## LIFE BUILDER CONFERENCE



October 31<sup>st</sup> - November 2<sup>nd</sup>, 2013, will forever be engraved on the golden plates of history as an inspiring moment for students of Jiangsu University. The Life Builder Conference was to sensitize students on the need for personal development as they strive for academic excellence. It was a spectacle to behold, a glorious reunion indeed for all and sundry. The event of the day lent credence to the saying that "no matter where you roam, there's no place like the platform for great minds".

The three-day conference, which had over 400 participants, was under the chairmanship of Prof. CHEN Yongchang (School of Medical Science and Laboratory Medicine). On the theme "Integrity in the Pursuit of Excellence", the topics discussed included: the Spirit of Excellence (E.Omari-Siaw), Becoming A Person of Influence ( Patricia Ghann), Why You Do What You Do (Caleb Kesse Firempong) , Attitude, The Difference Maker (Samuel Essien-Baidoo) , Success Dynamics ( Rukhsar Ali) and Unearthing and Developing Your Talent ( David Kpakpo Mingle), Relationship between Chinese and Foreign students (Zhang Zhiyong). Participants were grateful for the insight, knowledge and positive impact they received during the period.

David Kpakpo Mingle  
(MBBS 2012)

## TEAM OEC DOES IT AGAIN



OEC's football team successfully defended its crown in the just ended Jiangsu University Soccer Tournament. Featuring the best

## THE 3<sup>RD</sup> SINO-FOREIGN POSTGRADUATE FORUM



Compiled by Joseph A. Awuni- PhD Candidate, School of Management

The Third Sino-Foreign Postgraduates Academic Forum of Jiangsu University was held at the Conference Centre from 25<sup>th</sup> -29<sup>th</sup> of November, 2013. The forum was under the theme: "Exchange of academic views, experience of different cultures". The programme was organised under five main categories, namely Engineering I, Engineering II, Medicine & Biological Science, Management & Finance and International Cultural Exchange. In his opening address Prof. YUAN Shou-qi, President of Jiangsu University, acknowledged the key role of postgraduate students working together with JU's professors to realize great progress in recent years, including successively winning National Award of Scientific and Technical Achievements, National Foundation for Distinguished Young Scholars and National Top 100 Doctoral Dissertations. Other dignitaries present were Prof. SUN Jianzhong (Ph.D) - Biofuels Institute of Jiangsu University and Prof. LI Zhongxin (Ph.D)- Director of International Office of Jiangsu University. Additionally, distinguished professors from JU and other universities were invited to serve as judges and /or give keynote presentations at each of the sub-forums. The forum attracted more than 500 abstracts from 25 schools and colleges of the university.

# A REVOLUTION IN E-LEARNING

The increasing cost of higher education has been the global norm over the past decades. Since the turn of the century, however, technological progress in e-learning has provoked early signs of a potential trend reversal.

On September 11<sup>th</sup> 2013, Jiangsu University hosted a presentation on the most recent evolution in online education by Katherine Reedy, Cultural Affairs Officer at the Consulate General of the United States of America in Shanghai.

Massive Open Online Courses - most commonly referred to as MOOCs - are in a nutshell, free online courses offered worldwide by certified universities. Aside from the traditional course videos, readings and problem sets, MOOCs strive to build a student community through user forums that also enable real-time contact with professors and teaching assistants. Indeed, a number of prestigious universities are associated with MOOC providers, notably Stanford, Harvard and MIT.

Despite the immense popularity of MOOCs in the American education system, as highlighted by Reedy, 'classes' - some courses account for more than 100,000 subscribers - a vast majority of students are based outside of the United States. Reedy sees in MOOCs, a particular value to foreign students wishing to pursue or continue an American higher education. Not only are MOOCs excellent learning tools in terms of content, they also allow the student to get accustomed to the American education culture and requirements.

Unfortunately, at this time, no university credits are granted for course completion and they do not replace practical experience. Moreover, applied sciences clearly dominate the MOOC scene, with only limited options in other fields of study.

Nevertheless, MOOCs are showing great potential as they provide the student with a unique learning experience and a quality never before accessible to the free-learner. Although many providers roam the World Wide Web, Reedy recommends Coursera, Udacity and edX to students wishing to gain additional knowledge in their field of study.

# FALL 2013 GRADUATION LIST



DADZIE ISAAC -	PhD in Medical Science and Laboratory Medicine
SAMUEL ESSIEN - BAIDOO	PhD in Medical Science and Laboratory Medicine
EBENEZER OWUSU -	PhD in Computer Application Technology
FELIX NARKU ENGMANN -	PhD in Food Science and Engineering
FRANK AGYEN DWOMOH -	PhD in Fluid Machinery and Engineering
ROSEMOND GODBLESS DADZIE -	MSc in Food Science and Engineering
GULAB SUGHRA-	Bachelor of Medicine, Bachelor of Surgery (MBBS)
MOHAY UDDIN WARDA -	Bachelor of Medicine, Bachelor of Surgery (MBBS)
ELAHI GULSHAN -	Bachelor of Medicine, Bachelor of Surgery (MBBS)
IQBAL MUHAMMAD ASAD -	Bachelor of Medicine, Bachelor of Surgery (MBBS)
USMAN MUHAMMAD -	Bachelor of Medicine, Bachelor of Surgery (MBBS)
ASLAM HAFIZ SHAKIL -	Bachelor of Medicine, Bachelor of Surgery (MBBS)
RIZWAN ULLAH -	Bachelor of Medicine, Bachelor of Surgery (MBBS)
KHAN AFSAR -	Bachelor of Medicine, Bachelor of Surgery (MBBS)
SAMI ULLAH -	Bachelor of Medicine, Bachelor of Surgery (MBBS)
IQBAL ZAFAR -	Bachelor of Medicine, Bachelor of Surgery (MBBS)
MAZARI SOHRAV -	Bachelor of Medicine, Bachelor of Surgery (MBBS)



Winners of the 10<sup>th</sup> Postgraduate English Contest



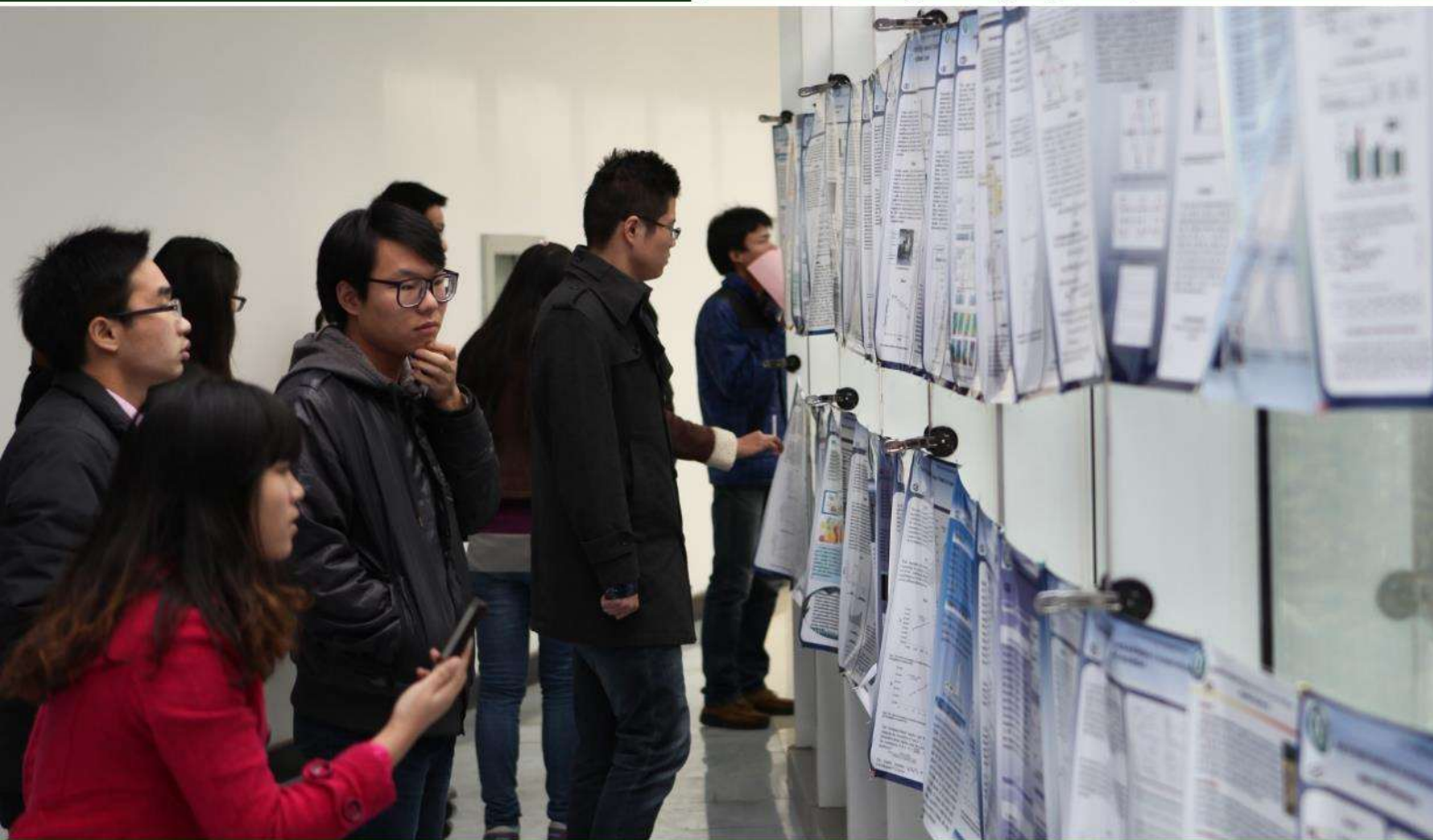
"Excellent Organization" Award Winners at the Happy Jiangsu Singing Competition 2013



Special Presentation by Katherine Reedy from the US Consulate, Shanghai



Participants at "Africa's Moment" Photo Exhibition



Abstracts on Display at the 3<sup>rd</sup> Sino - Foreign Postgraduate Forum



The "Die - Hard" Cricket Team



Emotions ran high at JU Sports Meeting 2013



The Victorious Sports Team



Lily - 3<sup>rd</sup> Place Winner of Jiangsu Provincial Chinese Speech Competition for Foreigners



Students Socializing on a Cultural Trip to Nanjing

## International Students Rule the Roost

The recently concluded sports meeting set pulses racing across the entire Jiangsu University. High adrenaline action set about creating an infectious excitement that could be felt in the air all around the campus. In spite of being still at its relative infancy, the OEC team managed to bag the first place in males section to finish third in overall.

The first day started off with individual events with international students blowing the competition off the water in the form of Donkor and Darlington. But the OEC Back Ball Clamping Relay team had to suffer defeat despite being awfully close to winning their event.

However, athletes in other events made sure that OEC did not walk back empty-handed. Zainab, Caleb, Theophilus and others cemented the fact that track and field was a 'laowai' dominion.

The second day saw the athletes dominating like the previous day. Armar and Milambo dominated in high jump that saw an impressive podium doubled by Armar and Pepe, with the former taking the Gold. Mixed sports also saw some great performances.

The Tug of War team finished second. Others showed spirited displays to ensure that the OEC team finished among points in all events. Exceptional was the work displayed by both the team management and officials on the field.

The high level of athleticism on show was in part due to the training regimen scheduled and managed by the team management. Not to be left behind, the team officials including the medical team, ensured optimum displays from the athletes.

## Nothing is Impossible

The above message serves to be an inspiration for Donkor, OEC's Rocket Man. Aspiring to be a general surgeon, he has made winning a habit by successfully defending his medals in this year's sports meeting. Success has not gotten to his head and he advises fellow athletes to be sincere in their efforts towards preparation for the event. He was also enthused by the competition within the college and wishes that more people take part in the years to come.



## Zainab: Team OEC's Rising Star

Running since she was 8, the avid Da Vinci code fan did the foreign students proud by bagging silvers in all events. Aiming to be either a business tycoon or an Olympic athlete, she hopes to do better next time. In spite of all the fanfare surrounding her achievements, Zainab has a deep appreciation for her family and her background. What else? this talented athlete is also a staunch follower of Nigerian football!

## So Near Yet So Far...

Poised to win their event comfortably, the OEC Back Ball Clamping Relay team suffered the ignominy of defeat courtesy of a fall in the final leg. The tight knit group however took it very stoically, promising to come back again next year to claim their prize.



## Working Behind the Scenes

Rousing from bed before anyone else, the Team management had the unenviable task of motivating the athletes to train and ensuring that all their needs were met. A 100% student led initiative, this structure has been a key ingredient of the success witnessed on the sports field.





Dr. Yongchang CHEN is a professor of Physiology and Chairman of the Department of Physiology of Jiangsu University (JU). He has made significant contributions to the development of the Physiology course and has undertaken such course for thousands of students in JU.

By dint of experience in teaching and researching for more than 25 years, he has contributed to the publication of 6 textbooks.

# Up-Close with PROFESSOR YONGCHANG CHEN

*He has also published more than 30 research articles, including 15 SCI papers and has won several awards and projects including Science and Technology Award of Jiangsu Province in 2003; Natural Science Award of Ministry of Education in 2008; 4 National Natural Science Foundation projects and 1 project of Natural Science Foundation of Jiangsu Province. His present research direction is in "Intracellular signal transduction network" and currently presiding "National Natural Science Foundation".*

*As a distinguished dedicated personality in his profession, community and nation at large, Prof Yongchang Chen has won the admiration of most students and lecturers, not only for his rich experience in teaching, but also for his down-to-earth nature of relating with everyone. Recently, he was ranked among the top 10 teachers at this great University. Highly esteemed as a mentor for many young people, The Olive interviewed our noble Professor for more nuggets as he celebrates a diamond jubilee of his life's journey. Prof shares:*

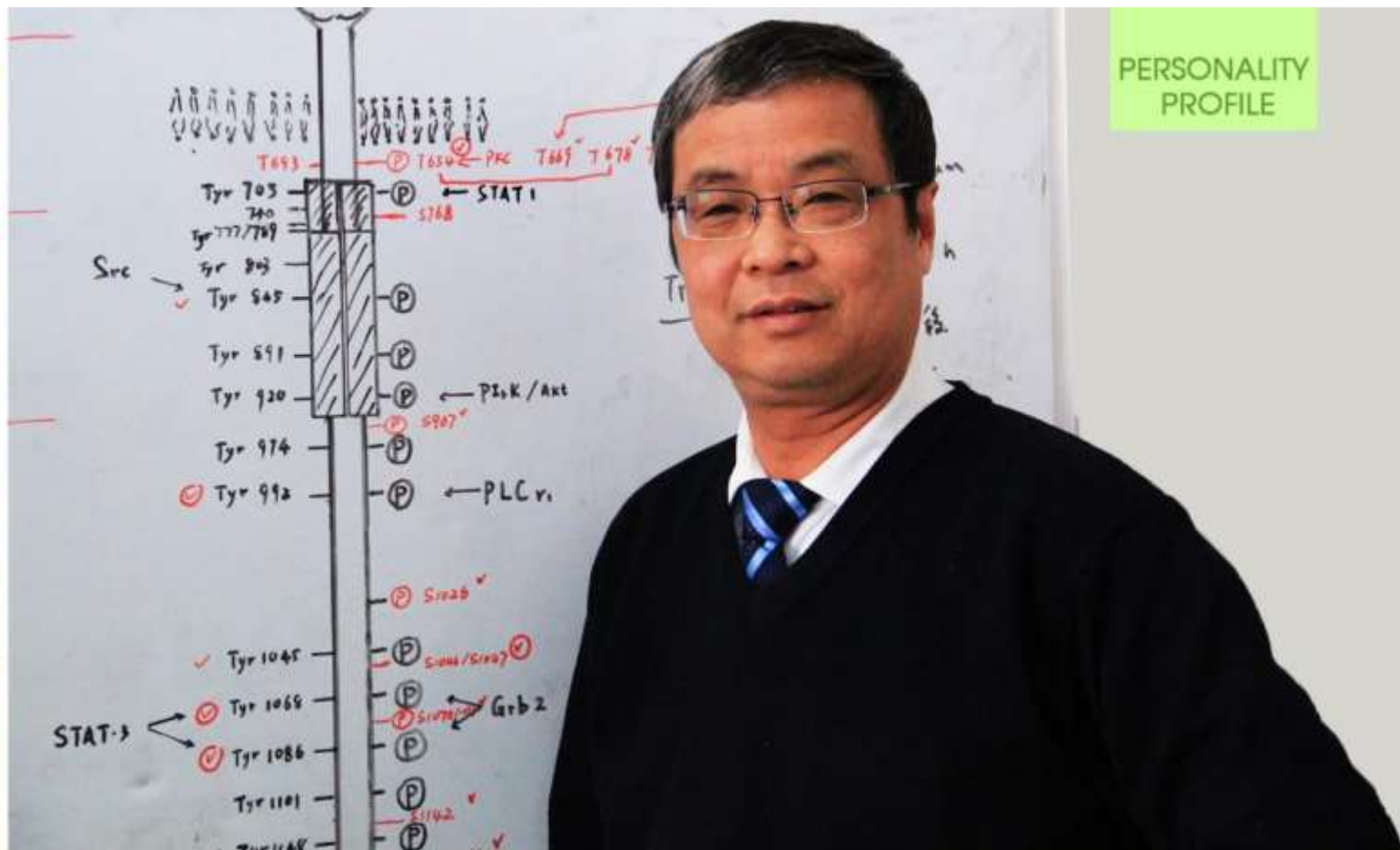
I believe the Chinese adage ---“学海无涯苦作舟” (xue hai wu ya ku zuo zhou) which means “The boundless sea of learning can only be navigated in a vessel of hard work”. In modern society, each person is engaged in pursuing education, no matter the level - high or low. This process is an endless road or a boundless sea, hence the need to revise our goals from time to time.

I grew up as the eldest son of my parents, together with two other younger brothers and a sister, in Weifang city within the Shandong Province of China. My parents, who were workers then, did not have opportunity to receive high education. However, like most parents in worker families in China, they placed their hope in their children. It was their greatest wish that their children received high education. My parents' expectation was a motivational force which drove me to move forward in my studies. After completing high school during China's Cultural Revolutionary Era in 1976, I had to work in a factory since the Universities were closed to fresh intake of students. As I worked on the machines in the factory I came to the realization that, knowledge was important for me. Coupled with this, the expectation of my parents pushed me to study harder. So I prepared hard, sat for and successfully passed the University Entrance Examinations, which had been withheld for almost 10 years, to gain admission to Suzhou Medical College.

As undergraduate medical student, I spent five years at Suzhou Medical College to complete my first professional training. After graduation in 1983, I was assigned to Zhenjiang Medical College as a teacher of Physiology. At that time, I thought I had accumulated 'plenty' knowledge because I studied hard and read a lot of books over the period. Soon, however, I was proven wrong. I discovered that at the undergraduate level, a student just acquires some basic knowledge in a particular field. This knowledge is far below the requirement of your career,

especially if you want to be a teacher at the higher level. As a Chinese adage says, “If you want to give your student a cup of water, you should have a bucket of water”.

Following this understanding, I decided to pursue a Masters degree at Nanjing Medical College in 1987. Within three years, I had completed my coursework, research and thesis. However, upon completion in 1990, I realized further that the Masters degree was just “cross-threshold” training for scientific research. When you finish this study, you only know basic principles of how to do research. To make new discoveries, it is necessary to advance to the doctoral level. So in 1997, I enrolled in Beijing Medical University (now the Medical School of Beijing University) to pursue my Ph.D. In this outstanding University, I received higher level scientific research training to finish my doctoral thesis. As the “new discovery” of my research I found that *Helicobacter pylori* could stimulate the proliferation of gastric mucosa cells through activating MAP/ERK signal transduction pathway.



PERSONALITY  
PROFILE

Just on the verge of finishing my Ph.D. study, I modified my goals again--- I should open my eyes to see the world, I said to myself. In 2000, I went to University of California, San Diego to pursue my postdoctoral training. There, I got the chance to join a high level research team, carried out an advanced project and finished a high level paper. The above experiences were very important for my professional career and were the foundation for my subsequent research.

Certainly, attaining these goals was a tedious process. It needed a lot of time, vigour, patience and determination. However, its benefits were enormous because “the more you investigate, the more you get”. My suggestion to students is that you should set up and review your academic goals from time to time, with “comma” but not “full stop”. As a teacher of Physiology, a Master postgraduate and Doctoral student supervisor, and Chairman of the Department of Physiology, I have ‘contacted’ many students and young teachers during my professional career. I take it upon myself to encourage them to set up new goals for their academic pursuit. For undergraduate students who come to my laboratory to perform after-class practice, I encourage them to prepare for Master Degree study. For Master Degree Candidates, I encourage them to pursue Ph.D. study after graduation. For outstanding Ph.D. students, the advice is to go abroad to receive higher level training. In the same vein, young teachers in my department are encouraged and helped to apply for funds to start their research.

So “学海无涯苦作舟” is my belief. I followed and

practiced it. I hope my experience will be a reference for you like “the sun at eight or nine in the morning”.

Regarding family, I am happily married and very proud of my daughter. She did her undergraduate study in Nanjing University and pursued her Ph.D. in University of Pittsburgh, USA. As to my hobby, I love travelling around. For example, I enjoyed driving in Death Valley - endless road, boundless desert just like navigating in a “boundless sea”.

### Message to OEC students

I really admire all of you and appreciate your courage for life and aspiration for knowledge. In order to achieve better study outcomes and become more competitive in your future professional careers, my piece of advice is this: Most of you left your motherland and family to come to Jiangsu University just after graduating from high school. This can be likened to a bird which is first opening its wings to fly to the outside world. So I think, we, the teachers of Jiangsu University, shoulder a solemn responsibility to help you. As we do our best to help you complete your studies, we will also try to give you parental care, even a little bit, to help you have a happy life in Jiangsu University. I do hope that all international students will cooperatively play their expected roles in this regard. The final outcome of your studies is crucial for Jiangsu University because the evaluation of the quality of your study will not only be in China but also abroad.

*Certainly, a celebrated personality!*

# Spotlight on FOOD

Food, one of the topical issues that draw the attention of many, is essential to all life with nutrition being its principal concern. Although in the end its definition is the same, people have different preferences on how their food is prepared and what it should taste like.

Chinese food being one of the most famous cuisines in the world is diverse but precise, and it has its own distinctive characteristics. The history of Chinese food stretches back thousands of years, and its dynamic capabilities have made it what we know today. Chinese cuisine boasts of eight culinary traditions namely Anhui (Hui cai), Jiangsu (Su cai), Zhejiang (Zhe cai), Shandong (Lu cai), Sichuan (Chuan cai), Guangdong (Yue cai), Hunan (Xiang cai) and Fujian (Min cai). This brings on a wide range of ingredients, techniques, eating styles and so on, leading to an unprecedented view of Chinese culture through one's palate. As a foreigner in China, one is primarily surrounded by Chinese food and this can be a tricky situation. Jiangsu University has its own share of foreign students with their individual tastes. Students were randomly selected for their opinions on 'food life' in China.

My favourite food at home is called *Pomyanjung*, a spicy dish. I love spicy food and as a result I prefer *Ladzijidan* and *gong guobao chai*, here in China. I get my food somewhere in the backstreet. I love Chinese food because most of it almost tastes like Thai food except *Tofu*. I like the oil in Chinese food because I know it's making me bigger. I have nothing but positive thoughts towards Chinese food.

*Siwathep*  
- Thailand

I generally like food with a lot of sugar, but at home I like eating rice. When in China, I like eating a dish called *Huiguorou* (spicy pork stew and rice). I don't like most Chinese foods. In fact my favourite restaurant is McDonalds. I hardly like the smell of Chinese foods and I think they are too oily. At the top of my least favourite food list are *baozi* and *chaofan*. I don't think that Chinese food affects my stay here negatively because even though I don't like it, that doesn't really bother me much.

*Rachel*  
- D.R Congo

In our quest to find comfortable hangouts in and around the Zhenjiang vicinity for foreign students, we chanced upon these places:

## Lemoût Café

A brand new restaurant at the 'backstreet', features pizza and other Italian specialties, as well as a fresh twist on Asian favourites, such a shrimp coco fried rice. The trendy atmosphere, affordable prices, English menu and friendly English-speaking staff make it a go-to place for students tired of Chinese food.

TIP: Do not forget to enjoy the house's specialty: Fresh banana milkshake.



## Tacos

Located inside Wanda Plaza and Yaohan, this restaurant is the perfect hangout spot. The English-Chinese menu includes a variety of Mexican-Chinese fusion items, notably Fajitas and a selection of steak dishes. The tasty tomato-fish soup is perfect for light eaters. A tiny bit pricier than your average restaurant, but the comfortable seating and relaxed atmosphere should convince you to give it a try.

TIP : Some items on the menu are surprisingly reminiscent of Ghanaian cuisine.



## Dave's Pizza

Owned and run by a Toronto-born and raised chef, Dave's Pizza is one of Zhenjiang's best kept secret. It is the place to go for an authentic western pizzeria experience. Dave imports hot pepper Tabasco sauce from Canada, and his cheese is shipped directly from New Zealand. Most importantly, he knows the right balance of flavours in a true pizza. Dave's Pizza regularly holds special events and welcomes everybody to join.

TIP: The Canadian poutine is quite respectable, for those curious about Canada's favourite fast food dish.



I like eating things that are sweet and my favourite food at home is Chicken Biryani. In China, I like Hot Pot and fried or steamed bun from a restaurant at the backstreet (outside the main gate). Dumpling is my least favourite food but I think Chinese food is okay. I can adjust to it.

*Mounika*  
- India

I'm a big fan of spicy food and I enjoy meat dishes like buffalo wings, T-Bone steak and borewors (sausage). My favourite food in China is beef dumplings from a restaurant called *Wu Daniang*, and I also like going to the 'barbecue spot' outside the school. Generally, I find it difficult to eat Chinese food especially Tofu. Chinese foods are either too oily or too sweet hence I cook most of my meals.

*Cwebile*  
- Zimbabwe

Of all the dishes I've tried ever since I arrived in China I prefer the one called *Xihongshi jidan mifan* (rice with egg and tomato). I also like *niurou jiaozi* (beef dumplings). I mostly eat at the Muslim restaurant just outside the main gate. In my country, I love a dish called *Palov* and I'm into sweet things. I can live with Chinese food, it's okay, but sometimes it can be a bit too oily and spicy. As a result I don't like *Chaofan*. But generally, I don't mind eating Chinese food.

*Severa*  
- Uzbekistan

In Ghana I love eating *Jollof* rice, chicken and some vegetables (one dish). I'm a man and I like eating food that is a little salty. In China I like *Gongbao jidan* from a restaurant somewhere near Auchan but dislike *fangqie jidan*, it's too sweet. My thought on Chinese food is that it is sometimes very spicy or sweet. There are so many different kinds of food in China with a wide menu to choose from. I'm a person who easily adapts to any situation and I'd say Chinese food has a positive effect on my stay here. I miss home but I love it here!

*Carlos*  
- Ghana

developed countries. This implies a growing demand for food, hence the need to enhance food security. Dependence on rainfall to achieve this goal is not a feasible solution. Sprinkler irrigation is one of the best alternatives and is sustainable throughout the year. So that prompted me to go this direction.

**Olive:** What are your current findings?

Firstly, I found that the fluidic sprinkler performs quite well with reference to the performance of the impact sprinkler, and the variation in rotation speed is not so much. When it comes to water application intensity, the variation is quite higher for the fluidic sprinkler than the impact sprinkler which means that the rotation technology of the fluidic sprinkler needs to be improved.

Sprinklers work in the field in multiples; they are positioned in triangular, rectangular or square layout depending on the conditions on the field. To simulate such layouts a computer program was written. With that you will be able to calculate the uniformity coefficient. This will inform you whether the distribution is good enough or not.

Moreover, based on the American Association of Agricultural Engineering (AAE) standards, it was observed that performance of the fluidic sprinkler was quite good, especially under low-moderate wind speed. We recorded the uniformity coefficient ( $\mu_c$ ) value of 84%. 84% or more is acceptable and if it is below this threshold, it is not up to standard. When the wind speed was more than 3.5m/s which is high wind speed, we registered CU values of lower than 84%.

**Olive:** Could you enlighten us on the impact on society?

The fluidic sprinkler has the capacity of being a low cost alternative provided that its performance is improved. Its simple design and manufacturing would make it easy to use and affordable to poor countries.



**Olive:** Any difficulties encountered during the research process?

The main challenge was unpredictable environmental conditions such as rainfall and wind. It was also time consuming and labour intensive. You need not less than four people to help you on the field and we had to carry out this experiment repeatedly for a wide range of parameters.

**Olive:** What about support?

My supervisor has been very supportive. He provided all the finances needed in terms of feeding, transportation and cost of materials. I was able to overcome some of the challenges with support from my colleagues in the Department. Some of them helped in repairing/fixing of the sprinklers and were there with me when I had to go to a nearby factory for further tests. But for their support, this study would have been impossible.



**Olive:** How has your stay at JU been?

My time at JU has been wonderful. It's a new environment and a new culture altogether. I have had the opportunity to meet a lot of people from different countries and learnt from their culture. I have also learnt a lot from both Professors and students alike. Hopefully, I want to go back to Ghana and contribute my quota towards the development of my motherland. In brief, it has been very exciting.

# FLUIDIC SPRINKLERS

## Interview with Mr. Frank Dwomoh

The satellite of The Olive this time around captured the Engineering research group and was pleased with research images on fluidic sprinklers.

**The Olive:**

Please, Could you tell us more about your research area?

Having pursued Water Resources Engineering and Management at the Masters degree level and working at the Ghana Hydrological Service Department, my interest was growing exponentially. My quest for further knowledge led me to Jiangsu University to obtain a doctoral degree. I am in the Research Center of Fluid Machinery Engineering and Technology. My research focus was on the performance characteristics of irrigation sprinklers, specifically focusing on the fluidic sprinklers. There are a lot of sprinklers on the market today mostly from developed countries like the US and Europe. This technology has been used for a long time. Over the years, China has been able to develop a new type of sprinkler which uses a phenomenon called the *Kuanda* effect. It applies the principle of fluidity hence the name fluidic sprinkler. The progress on this type of sprinkler has been limited to indoor usage. My focus then was to assess the performance of the fluidic sprinkler on the field with a well known sprinkler irrigation system called the Impact sprinkler.

**Olive:** Why Sprinklers?

Studies indicate that by the year 2030, increase in the world's population will primarily be from under

# ENGINEERING RESEARCH GROUP

With the latest ranking of JU's Engineering being among the top 1% in the world's universities by Essential Science Indicators (ESI), an International Discipline Ranking of universities and scientific research institutions, the various research areas in which foreign students and their supervisors are active players caught the attention of The Olive in this second edition. We therefore present these diverse research fields to the benefits of our readers.

## Research Focus

Performance characteristics and droplet drift dynamics of irrigation (fluidic) sprinklers.

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## Research Focus

DNA Nanotechnology with emphasis on DNA Origami

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## Research Focus

Key Techniques of Heterogeneous Facial Expression Recognition

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## Research Focus

Monitoring seedling growth and analysis of the dynamics in automatic transplanting of vegetables using high-speed cameras

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## Research Focus

Non-destructive testing of steel structures using Acoustic Emission Technology.

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## Research Focus

Large-scale complex systems modeling and control with Hybrid Neural Network

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## Research Focus

Design and Implementation of Temperature monitoring wireless sensor network with remote data access.

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## Research Focus

Hydro turbine and Centrifugal pump

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## Research Focus

Crop water requirement in green house by using irrigation model

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## Research Focus

Energy and Fuels with focus on Biodiesel and related Fossil Fuels

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## Research Focus

Promotion of public health and safety through the evaluation of the toxicity and mechanisms of low concentration, non-essential trace metals in drinking water.

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## Research Focus

Metal organic frame work

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## Research Focus

Effect of saline water on the production of crops.

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## Research Focus

Water and wastewater treatment using chitosan derivatives

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## Research Focus

Application of porphyrins and its analogues - porphyrin-based sensors, porphyrin-based catalysts, etc.

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## Research Focus

Efficient collections/resources in a particular federated environment

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China, electric energy and the charm of frenzy, monsoon swept streets, neon lights, carrier escalators moving at break neck speed and yes, impossible dreams! China, buzzing by day and pulsating by night.

China is famous for her food, culture, and people. However, the thing that fascinates me most is her cheap market. Ever wondered how china became a "superpower" and all goods we buy have 'Made in China' written on them? Shopping in China can be very interesting and exciting at the same time. You can buy a frilled blouse for just 5 Yuan if you know where to shop. Bargaining is something that one naturally adapts in China and I had no clue that a hand bag which originally costs 100 Yuan can be bought for 25 Yuan. People go bizarre when there is a sale. Walking outside our University, we can spot cute shoes, amazing soft toys, fabulous goodies and everything within our reach. A red dress and stilettos and its like all your dreams have come true. But the question remains: Is it worth it? Are those things really going to last that long? There is this myth that Chinese goods don't last long. In fact, there is a joke saying that China has made only one thing that has lasted long enough i.e. The Great Wall of China. These rumours aren't entirely true.

In China, goods like cell phones, laptops, computers, etc. are somewhat divided into categories. The original piece which is the most expensive one would obviously last longer. The standard keeps decreasing as the price reduces. You can't expect to buy an iPhone just for 200 Yuan. If you do, it's obvious that it has a catch somewhere. Also, there is this craze of ordering electronic goods from the internet. Online shopping was invented for clothes and other accessories. Buying electronic stuff off a clothing website just because it's cheap may have its own consequences. So who is to be blamed for these unreliable goods? Is it the manufacturers, for meeting the needs of ordinary people? Or us, the common people... for demanding stuff at low prices? We keep blaming big companies for their low grade goods and tag them as 'money makers'. We barely consider listening to their side of the story. China is one such big wealthy wrongly accused country. We have tagged goods from China to be unreliable. We have to change our mind set. Shopping in China is not easy because of the variety it offers. You name it and you have it. Many countries have a bad name but it all depends on us because at the end we see what we choose to see....

tell me about  
your commuinity

by Roxanne Hamel



What does it mean to be a *waiguoren* at Jiangsu University? In the virtually monoethnic Chinese society, trivialities such as height, skin color, or the ability to eat with chopsticks are amplified to the extreme. The bearer of unfamiliar traits will inevitably stand out like a peafowl at a pigeon rally. Alienation in student life often comes as a consequence to those who speak little Mandarin, or find few commonalities with the Chinese way of life. Hence, the importance, voire the necessity of fostering a sense of community amongst overseas students.

On the tracks, at the November Inter-College Sports Meeting, motivation was palpable through the intense focus of each and every athlete - nervous or posed. The zeal emanating from team managers and all supporters was simply electrifying. I am a new student, with little previous interest in sports. It could not have mattered less at that moment. I was literally transported by the wave, holding my breath and running in mind with the athletes. I burst in pride at every OEC win - and willingly admit it. Later on, I could hardly explain to myself what had happened. Surely, I must have a hidden passion for the tracks. In the end, it became clear that I had had the unique

opportunity to take part in the shaping of solid intercultural bonds between students of all backgrounds, brought together by the single but powerful incentive of bringing all the gold to our team.

There are little words to describe the emotion on the field that day, but the wisdom is clear. Studying abroad, away from home and loved ones, is a burden that we all carry despite our origin. Nevertheless, to enjoy and gain a maximum from our time at Jiangsu University, we must not merely be aware of our common challenges, but face them together as a - although quite colourful - family. By overcoming our individual prejudices and reaching out to students of all backgrounds, we convert ourselves, in good faith, into ambassadors of the overseas student community. Together, we share a stronger voice. Together, we can surpass ourselves. Together, we can bring pride to our community and prove our worth.

The OEC athletes, team managers and all students involved in this year's sports meeting are leading by example. As I carried a number of interviews during the event, I was astonished to realise that the sense of community, which I pessimistically perceived as close to nonexistent, was in fact prevailing. It is a lesson for all of us who, perhaps too absorbed by our studies, neglect to catch the many opportunities of student life.

## An Email to my daughter (II)

... my curiosity was aroused and my passion to find more about my new environment hit a world record high. I couldn't repress, so I can become asking questions and guess what...

...in the weekend that followed, I was reading at the library when a young international student sat beside me. At the time of leaving, that beautiful damsel was also closing for the day. I engaged in a conversation with her and found out more about the foreign students. The conversation was so natural as that you couldn't believe that we have just met. We finally parted company and I promised her a visit which she welcomed.

When I visited her, I really had a confirmation of my maiden experience in the school. But, the good news was that some of the students were disciplined. They were polite, well cultured and hospitable. Some of them were even fervently preparing to go out and study, while others were cooking and doing other chores. For the bad nuts, the least said about them the better. Some girls were in strange dresses, with some showing all their bona fide properties. Other guys were also openly smoking and drinking without any shame. My daughter, I realize that all is not well with your generation. That young girl gave me a solid "BBC" report of all the activities on campus. I am certain that your university is no exception

Jenny, I am sharing this information with you not because I don't trust you to do the right thing, but just for you to be extra conscious of your new environment. The other reason is that nobody is superhuman. Over the years, my experience at the university has taught me one great lesson: for a brighter tomorrow never underestimate the power of peer pressure. Every wise person will associate with people who empower them to greater heights.

After chatting with that girl, I realize that almost every foreign student in the school was in some form of relationship. I am not against any good relationship, but I have a problem when such union will not help your academic progress, and more importantly destroy your future. My girl, I have given you countless teachings on boy-girl relationships, but for the sake of emphasis, please, always remember the important question: A boyfriend or A life partner. I still believe that your desire for a life partner has not yet changed. Boys will always come and go, but a life partner will stay forever.

I am aware of how some of you girls are so infatuated with flashy and luxurious things. But the fact still remains that all that glitters is not gold. Jenny, currently mobile phones have become a status symbol among some girls. Strange, isn't it? I find it very difficult to see what at all is in phones. I admire girls who see beyond what one has today and I think they are in the minority. Most girls of today want to date already-made guys and perhaps, marry them. While it is natural to feel attracted to someone who is well established, I think the primary goal for courting should be the love. Does he value you? Or he thinks you're just one of those who will fall for him because of his possessions? I have come to realise that such associations rarely lead to happy ending.

Guys will always initiate friendship in a very harmless and subtle way. They paint the picture that you are their "Queen of England". They expertly do that by providing you with tender love & care. Eventually, the gifts develop into something else. It will get to a point where you become emotionally attached to them and you lose your sense of thinking. At that point, it's difficult to turn back. I don't have anything against you being offered a gift by a guy. But always remember that there is nothing like free lunch: every gift comes with a price. As a lady, you must be very circumspect in accepting things from guys.

Like, I saw some discipline students very busy with their academic work, I expect you to do likewise. Presently, you don't have to be preoccupied with material things because they are our number one enemy- business before pleasure. Be regular in class and perform all your assignments as expected. As you know, your father was the best sprinter during his heydays and I know you too have the genes to do that. Please, use your talent wisely and participate actively in extra-curriculum activities to become a holistic scholar. Be close to your God and it shall be well with you. Keep good company and allow the right people into your world. Never desire the wayward, even if it appears that they are prospering, but rather stick to your great upbringing. Time will tell, certainly you will be vindicated. I know the kind of stuff you are made off so I see this piece of advice as a mere formality.

I love you dear and I hope to see you soon.  
Father Kay

# announcements

- The Olive, through this medium is seeking for sponsorship. Interested person (s) are welcomed.
- New bachelor's programmes including Mechanical Engineering and Chinese Linguistics & Literature will hopefully hit the door steps of OEC next academic year.
- The mega International Cultural Day will come off spectacularly next semester. In line with this, students and stakeholders are encouraged to prepare fully towards the celebration.

## LIST OF PUBLISHED SOCIAL/SCIENCE CITATION INDEX (S/SCI) ARTICLES

Compiled by Peter Osei Boamah

1. Ernest Teye, Xing-yi Huang, Wu Lei, Huang Dai. (2014). Feasibility study on the use of Fourier transform near-infrared spectroscopy together with chemometrics to discriminate and quantify adulteration in cocoa beans. *Food Research International* 55: 288-293.

2. Fangkai Han, Xingyi Huang, Ernest Teye, Feifei Gu and Haiyang Gu (2014) Nondestructive detection of fish freshness during its preservation by combining electronic nose and electronic tongue techniques in conjunction with chemometric analysis. *Anal. Methods*, DOI: 10.1039/C3AY41579A

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4. Xiaozhuan Yuan, Ziming Wu, Huan Li, Yadan Wanga, Fei Liu, Han Cai, Afoakwah Akowuah Newlove, Yun Wang (2014) Biochemical and proteomic analysis of 'Kyoho' grape (*Vitis labruscana*) berries during cold storage. *Postharvest Biology and Technology* 88:79-87

5. Rosemond Godbless Dadzie, Haile Ma, Ernest Ekow Abano, Wenjuan Qu, and Shuyun Mao (2013) Optimization of Process Conditions for Production of Angiotensin I- Converting Enzyme (ACE) Inhibitory Peptides from Vital Wheat Gluten using Response Surface Methodology. *Food Science and Biotechnology*. DOI 10.1007/s10068-013-0248-9

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7. Cunshan Zhou, Haile Ma, Qingzhi Ding, Lin Lin, Xiaojie Yu, Lin Luo, Chunhua Dai, Abu El-Gasim A. Yagoub (2013) Ultrasonic pretreatment of corn gluten meal proteins and neutrase: Effect on protein conformation and preparation of ACE (angiotensin converting enzyme) inhibitory peptides. *Food and Bioproducts Processing* 91: 665-671

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9. Siamak Sandoghchian Shotorbani, Yue Zhang, Samuel Essien Baidoo, Huaxi Xu, Mohammad Ahmadi (2011) IL-4 Can Inhibit IL-17 Production in Collagen Induced Arthritis. *Iran. J. Immunol.* 8 (4): 209-217

10. Shanshan Tong, Hui Zhong, Chengxue Yi, Xia Cao, Caleb Kesse Firemping, Qianfeng Zheng, Yingshu Feng, Jiangnan Yu and Ximing Xu (2013) Simultaneous HPLC determination of ergosterol and 22,23-dihydroergosterol in *Flammulina velutipes* sterol-loaded microemulsion. *Biomedical Chromatography*. DOI 10.1002/bmc.3012

11. Haifang Zhang, Bin Ni, Xin Zhao, Isaac Dadzie, Hong Du, Qiang Wang, Huaxi Xu, Xinxiang Huang (2012) Fis Is Essential for the Stability of Linear Plasmid pBSSB1 and Affects the Motility of *Salmonella enteric* Serovar Typhi. *PLoS ONE* 7(7): e37462. doi:10.1371/journal.pone.0037462

12. Isaac Dadzie, Shungao Xu, Bin Ni, Xiaolei Zhang, Haifang Zhang, Xiumei Sheng, Huaxi Xu, Xinxiang Huang (2013) Identification and Characterization of a Cis-Encoded Antisense RNA Associated with the Replication Process of *Salmonella enteric* Serovar Typhi. *PLoS ONE* 8(4): e61308. doi:10.1371/journal.pone.0061308.

13. Ebenezer Owusu, Yonzhao Zhan, Qi Rong Mao (2013) An SVM-AdaBoost facial expression recognition system. *Applied Intelligence* DOI 10.1007/s10489-013-0478-9

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15. Amoako George, Zhou Ming, Ye RiAn, Zhuang LiZhou, Yang XiaoHong & Shen ZhiYong (2013) 3D DNA origami designed with caDNA. *Chinese Science Bulletin*, 58: 3019-3022, doi: 10.1007/s11434-013-5879-y

16. Amoako George, Ming Zhou, Rian Ye, Lizhou Zhuang, Xiaohong Yang and Zhiyong She (2013) DNA Origami Site-Specific Arrangement of Gold Nanoparticles. *Nano: Brief Reports and Reviews*, DOI:10.1142/S1793292013500641

17. Dwomoh, F. A., Shouqi, Y., & Hong, L. (2013). Field Performance Characteristics of Fluidic Sprinkler. *Applied Engineering in Agriculture* 29(4), 529-536.



## SCHOLARSHIPS AVAILABLE TO OVERSEAS STUDENTS

- Ministry of Education: China Scholarship Council (CSC)
- Confucius Institute Scholarship
- Jiangsu Government: Jiangsu Jasmine Scholarship
- Jiangsu University: Presidential Scholarship
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