

# BRIDGE TO THE FUTURE

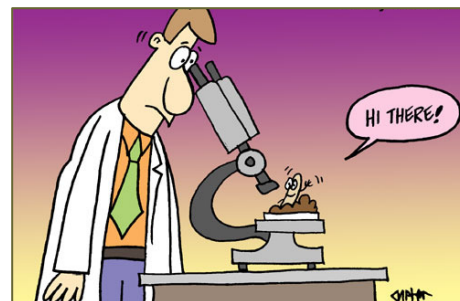
POSCO FAMILY & POSCO FELLOW STUDENTS IN VIETNAM

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## LESSONS DRAWN FROM DOING SCIENTIFIC RESEARCH

Recently, I have finished my scientific research for the sixth semester. That was a big thing since I spent so much time in my chemical lab. However, can you imagine what I did in the lab? The answer may surprise you. Most of time is for cleaning up the test tubes and equipment, waiting for the material, and for the turn to use machines. Consequently, the time for such the mess of work is even much more than the time for doing real science. This made me sad at first.



However, necessity is the mother of invention. I have quickly got used to the shortage in the faculty and became a little bit more creative to overcome the problems. For example, I changed reaction procedures or gave more functions for a chemical tool so that reactions can be carried out in Vietnamese condition. Besides, I also received much help from my supervisor as well as my friends. I am so thankful to all of them. Without their helps, I might have faced up many unexpected troubles. In the end, luckily, I have synthesized 3 new azacrown ethers –compounds promising useful bioactivities in drug industry as well as many other fields. This was a surprising result. But the most important thing was three big lessons I have drawn from doing the research.



First, everything has its bright side and dark side. It is based on each person to decide which one is bigger than the other.



Second, under any circumstances, optimism and patience can always be used as the key to success.



“Survival to the fittest” is another important thing. It is better for us to make the change rather than waiting for the change of condition.

When saying so, I do not mean that the environment for doing science in Vietnam is good enough. There are plenty of things that need improving. I hope that in the nearest future, all students are supported to reach their best. Also I take the view that when waiting for the government, it is better for students themselves to make great effort to overcome the difficulties.

By **Phạm Thị Hà** (Ms.)

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## My first trip to KOREA

By **Thao Nguyen – PSAHN**

My foremost desire for traveling turned into reality when this June I had an awesome trip to Korea for one week. There, I met and made friends with colleagues from ten different countries.

In first days, we visited Pohang city. Pohang is a major industrial city on South Korea's coast. It is home to POSCO and well-known for POSTECH, a highly-ranked engineering university in Korea. My very first impression when being there was the green and clean environment. Building a green and clean city is a dominating spirit of POSCO, around nine millions trees were planted accordingly, which creates the amazingly fresh air there.

Also, visiting historical and cultural places where we practiced making Kimchi & traditional cakes, singing Airang song and



learned Korean tea etiquettes brought us another enjoyable experience and a basic grasp of the Korean way.



The second place I visited is the dynamic capital city of Seoul where POSCO Center is situated. POSCO Headquarter is considered as Korea's first state-of-the-art intelligent building. I was much inspired by the POREKA design; it is a spacious entertainment and resting lounge which aims to make POSCO one of most fun place to work and to boost employees' creativity.

All the awesome experiences together with funny and happy memories with friends in this beautiful country – I will remember and treasure in my heart forever....

# SHARING DREAMS

POSCO FAMILY & POSCO FELLOW STUDENTS IN VIETNAM

"Resources are limited; Creativity is unlimited".

## POSCO Sponsors HUST:

### Research project on ultra low carbon (ULC) steel

Under the Memorandum of Agreement signed by POSCO and Hanoi University of Science and Technology (HUST), a short-term research project on ultra low carbon (ULC) steel has been carried out by the Dr. Bui Anh Hoa research group in the School of Materials Science and Engineering – a well-known institution for metallurgists training in Vietnam.

The School of Materials Science and Engineering was one of the first among 4 faculties established at the founding of HUST in 1956. Generations of faculties and alumni have strove for educational excellence, research, and technological exchange, continually reinforcing future institutions and technical infrastructure. Today, the School continues to renew academic programs, widen the scale of education and research activities. Working conditions for faculty members and student's learning environment is gradually improved. Facilities for research and education invested in by the government are competitive with the development of modern science and technology. The school conducts a variety of research activities covering various research themes centered on materials, minerals and metallurgy. The faculty research is disseminated by publications including journal articles, conference presentation, proceedings, etc. All research activities are centered on metals and alloys, composites, biomaterials and nano-scale materials, resources characterization, extractive metallurgy and materials processing.

Therefore, this POSCO-sponsored research is a proof for the international cooperation of the school. According to the research proposal, HUST's researches are going to visit the POSCO Cold Rolling Steel Factory in Vung Tau Province in order to observe production line, product types and new technology, etc. The research group also plans to co-operate with Graduate Institute of Ferrous Technology (GIFT), POSTECH – a prestigious institution in research and education of human resource for steelmaking industry of Korea. The ULC steel samples are going to be prepared and observed microstructure using the modern facilities in GIFT. The consequent processes such as cold rolling, heat treatment and other are done in HUST. It is expected that these activities will bring the mutual and fruitful cooperation of researchers and scientists from three sides, especially consolidate the relationship between universities and manufacturer.

Dr. Bui Anh Hoa – Hanoi University of Technology

"The POSCO Scholarship Foundation" changed its name to "The POSCO TJPark Foundation" in:

- |         |         |
|---------|---------|
| A. 2006 | B. 2005 |
| C. 2004 | D. 2003 |

01 quickest email answer will get the prize!!!!  
Please email: [thuhien\\_vothi@posco.net](mailto:thuhien_vothi@posco.net)

*From now on, we will present gifts to the writers after they contributes at least 02 writings to our Newsletter.*

The previous Quiz answer: Korea and Vietnam established the official diplomatic relation in 1992 (C)

The Quiz winner: Phi Vinh Quy

## POSCO in Vietnam: POSCO SS Vina

### Breaks Ground on Sections Mill



On 27 June 2012, POSCO SS Vina broke the ground and started the construction of the high quality section steel plant located in Ba Ria – Vung Tau. The Deputy Prime Minister Hoang Trung Hai attended the Ceremony.

This is the biggest project of POSCO in Vietnam so far with 620 million USD capital and have the capacity of 1 million tons/year. To host a 120-tonne electric arc furnace and two rolling mills, the plant will produce medium-to-large-sized sections and bars and should become commissioned by July 2014.

Those products, which have not been domestically produced, will be supplied to shipbuilding industry and machinery manufacturing. POSCO SS Vina will contribute to shorten the trade deficit of Vietnam.

Vo Hien – PSA Hanoi

## PFV's Corner:

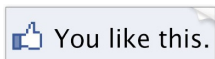


of the youths in Seoul

I studied in Seoul for two years and many people have asked me how people in Korea express their love and whether love there is as romantic as it is often displayed in Korean drama. Frankly, to me it's not an easy question as I don't know any Korean couple and my impression came from what I saw on streets and through words of some of my Korean's friends.

Certainly I didn't see with my own eyes a young, rich and handsome guy hugging a 'poor but beautiful girl' in a Seoul's street (you know, there's big gap between drama and the real life). But many times, I saw a young man take his girlfriend's bag while holding her hands on the underground trains, buses or on streets. I also witnessed a Korean guy carry his girlfriend on the shoulder as she was drunk or guys shield their girlfriends from the crowd on trains and so on. Those are just small deeds but they touched my heart as those gestures showed the tender affection and the caring of Korean guys for their lovers.

Van Anh – POSCO Fellow



## Cool down this summer with jackfruit yoghurt



I'm a Hanoi person but only in this summer did I discover a very tasty dessert which is great in helping cool down the summer heat. It is yoghurt mixed with fresh jackfruit and several kinds of jellies at "Che Hoang Anh" at **22 Ba Trieu Street**.

The dish looks really colorful and eye-catching with the yellow of jackfruit, the white of yoghurt and coconut milk, the blue and red of jellies. Placed with ice blended, it brings to you a cool, sweet but fresh taste. It costs just VND17,000 (US\$0.80) per bowl. Why don't you come and try it yourself? It's really yummy!

Le Mai Huong, POSCO Fellow