

## HONEYWELL ANNOUNCES WINNER OF ANNUAL ASIA-PACIFIC STUDENT COMPETITION

### *Hanoi University of Science and Technology Student Uses Simulation Technology to Optimize Fuel Production*

**GOLD COAST, Australia, August 6, 2012** – Honeywell (NYSE:HON) today announced that Tuyen Dinh Quang, a chemical engineering student at Hanoi University of Science and Technology, has won the [2012 Asia Pacific UniSim Design Student Challenge](#). Tuyen used advanced process modeling software to simulate a key petroleum refinery process to help optimize production.

Tuyen used [UniSim® Design Suite](#) to effectively simulate the most important conversion process used in petroleum refineries, called Fluidized Catalytic Cracking (FCC). The design will help to maximize the gasoline yield produced. The simulation model's accuracy has been tested using crude oil from a local Vietnamese refinery. Tuyen is showcasing his winning design to almost 300 industry experts and manufacturing companies at HUG Asia-Pacific, taking place this week in the Gold Coast.

Honeywell's UniSim Design Challenge is an annual competition for university students held in conjunction with the Honeywell Users Group (HUG) Asia-Pacific Symposium. HUG Asia-Pacific is the company's largest conference for its customers in the process manufacturing industries within this region.

Honeywell [UniSim® Design Suite](#) software is used by industrial manufacturers around the world to design, optimize and test manufacturing processes before they are implemented in refineries, chemical plants, power plants and other industrial facilities. It is also used to improve production and safety by training personnel offline to operate these processes.

“Our customers in the process manufacturing industry are always looking for new ways to perform their daily jobs more effectively and efficiently,” said Tony Cosgrove, vice president-sales APAC for [Honeywell Process Solutions](#). “In today's environment,

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manufacturers need fresh ideas and innovations that solve real-world problems while maintaining high standards of plant safety, reliability and efficiency. Tuyen Dinh Quang's design exemplifies the type of innovation that our customers want.”

The UniSim Design Challenge is one of several Honeywell Process Solutions (HPS) initiatives designed to encourage engineering studies. In addition to Asia-Pacific, HPS also holds annual student competitions in conjunction with HUG conferences in the Europe, Middle East and Africa (EMEA) and Americas regions.

“The competition has given students a hands-on experience of real-life issues that manufacturing companies face,” said Dr. Hien Nguyen Thi Minh, a professor at the PetroChemical and Catalysis Material Laboratory, Hanoi University of Science and Technology. “The design challenge not only lets our students apply their knowledge outside the classroom but also experience what it takes to become a future leader in the industry.”

Five consolation prize winners were also announced at the 2012 Asia Pacific UniSim Design Student Competition. These students submitted interesting process designs that can solve critical plant business issues using Honeywell UniSim® Design Suite. They and their sponsoring tutors will be able to attend their choice of one of two advanced UniSim Design training courses in the coming year. The five winners are:

- From China University of Petroleum, Junlong Li and his tutor Dr. Xuqiang Guo;
- From Myongji University, Korea, Jeongpil Park, Jongin Ha and KyungHwan Song, and their tutor Dr. Dongil Peter Shin;
- From Curtin University, Malaysia, Jeffrey Pang Kok Hooi, Goh Wui Seng, Oriekwo Eze, Anson Yong and Ting Siew Hoo and their tutor, Dr. Mesfin Getu Woldetensay;
- From the University of Nottingham, Malaysia, Markus Chin Weng Sam and his tutor Dr. Hon Loong Lam;
- From the Hanoi University of Science and Technology, Vietnam, Tran Ngoc Cong and his tutor, Dr Nguyen Thi Minh Hien.

For more information on the HUG student competitions, please visit

[www.facebook.com/honeywellstudentengineers](http://www.facebook.com/honeywellstudentengineers).

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