Winners of 2011 iNEMO Campus Design Contest in China

Posted by Janine E. Mooney, Editor December 5, 2011

STMicroelectronics announced Sky Worker Team 1 from Tsinghua University as champion of the 2011 iNEMO Campus Design Contest in China. The open competition, launched to showcase the company's unique iNEMO evaluation and development tool offering 10-axis MEMS sensing managed by an STM32 32-bit microcontroller, began on July 25 and ran until November 29 to promote MEMS design innovation among university students in China.

During a four-month run, nearly 100 students and young engineers in China submitted 57 designs to the 2011 iNEMO contest. Entries were judged based on a combination of function and practicality, implementation, creativity, presentation and final demonstration. Contest winners were revealed during an award ceremony held in Beijing this week.

The champion of this year's iNEMO Contest, Sky Worker Team 1, comprised a group of students from Tsinghua University in Beijing, China, who utilized the iNEMO evaluation board and 10 degrees of freedom to control the flight attitude for their winning Quad-Tilt Rotor design. The champion's design uses the STM32 microcontroller and on-board sensing to switch the rotors from vertical to horizontal, converting the aircraft from helicopter-like operation to fixed-wing flight mode. The team met all of the competition requirements and their quad-copter design demonstrated the usefulness and enhancements that sensor technologies offer to electronic design. ST granted a prize of RMB20,000 to the champion.

"The unique and outstanding quality of the design demonstrated by Sky Worker Team 1 and the level of inventiveness of their work demonstrates one of the infinite opportunities to support engineering creativity that iNEMO offers," said Patrick Boulaud, STMicroelectronics Regional Vice President, Analog Power & MEMS, Greater China and South Asia Region.

In addition to the champion, the judges selected two first place winners, three second place winners and four third place winners, which were granted respectively, prizes of RMB10,000, RMB5,000 and RMB2,000 each.

Further information at http://2011inemo.eefocus.com [1].

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