ST Electronics And NTU Launch Joint PhD Research Programme

Singapore Technologies Electronics Limited (ST Electronics) through its wholly-owned subsidiary, ST Electronics (Training & Simulation Systems) Pte Ltd (STEE-T&S), will launch a new PhD research programme on simulation model validation with the Nanyang Technological University (NTU) in August this year. This is the first time STEE-T&S is collaborating with NTU on a PhD programme.

The PhD research programme aims to develop a generic validation framework, which can be used to conduct model validation in the absence of complete test data. This can then be applied in various industries such as aviation, defence and transportation. PhD candidates for the programme will commence their thesis at the School of Civil & Environmental Engineering in August 2006.

ST Electronics will provide a comprehensive customised testing ground, which includes simulators, simulation systems and software, for the PhD students while NTU will offer their expertise in the area of assessing the accuracy of the simulators developed. The success of this programme will result in improved reliability of simulation modeling and will shorten time-to-market. For example, using an accurate model validation to calculate the cargo load of an aircraft instead of conducting actual physical tests will allow the airline to potentially see savings of thousands of dollars, and avoid unnecessary risks.
Mr Seah Moon Ming, President, ST Electronics, says, “This collaboration with NTU is very exciting and significant. This is the first time that a PhD programme is offered for the simulation industry in Singapore. We will also reap the full benefits of the fruits of the research and development work that has been invested in our simulation modeling. This collaboration better utilises the engineering expertise that will result in efficient management of resources for the local industry.”

Professor Pan Tso-Chien, Dean, School of Civil and Environmental Engineering, NTU, adds, “We are excited about this collaboration with ST Electronics, an industry leader in this field. The joint PhD allows us to synergise our strengths and provide our students with the opportunity to work on an exciting project which could potentially be developed and applied in various industries.”

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About Nanyang Technological University

Nanyang Technological University (NTU) is a research-intensive university with globally acknowledged strengths in science and engineering. The university has a beautiful garden campus and a distinguished lineage with roots that go back to 1955.

NTU’s 12 schools span diverse disciplines – from engineering and the sciences to art, design and media. The university has a strong engineering college focused on innovation, a business school with one of the top 100 MBA programmes in the world, an internationally-acclaimed National Institute of Education, one of the best communication and information schools in Asia, and a biological sciences school at the forefront of Singapore’s life sciences initiative. The Institute of Defence and Strategic Studies is a world authority on terrorism issues.

 Ranked among the top 50 universities in the world, NTU has in place multi-country programmes and initiatives, many established through its strategic alliances with 300 institutions in more than 45 countries, including Massachusetts Institute of Technology, Stanford University, California Institute of Technology, Cornell University, Cambridge University, and Beijing University.

For more information, visit www.ntu.edu.sg

About ST Electronics (Training & Simulation Systems) Pte Ltd

ST Electronics (Training & Simulation Systems), a wholly-owned subsidiary of ST Electronics, develops, manufactures and markets advanced computer graphic software and solutions for simulation, visualisation, digital media and various industry applications. It applies leading edge technologies and design methodologies to meet the stringent requirements of customised electronics systems and solutions. For more information, visit www.stee.stengg.com

ST Electronics, the electronics arm of ST Engineering, delivers innovative system solutions to government, commercial, defence, and industrial customers worldwide. It specialises in the design, development and integration of advanced electronics systems, such as broadband radio frequency and satellite communication, e-government solutions, information communications technologies, rail and traffic
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