



MEDIA RELEASE

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Deakin University innovation improves airport security

New Deakin University software is helping revolutionise airport security systems around the world.

Researchers at Deakin have developed an innovative software platform—believed to be the first of its kind in the world—which allows for simulation of baggage handling systems and how they would cope with changes to airport security.

Deakin's Professor Saeid Nahavandi said in this era of heightened travel security, the new software was proving invaluable to airports around the globe.

The software simulates how a baggage handling system at a typical airport would cope with upgrades to security systems, taking into account individual airport infrastructure, flight schedules, etc.

“It allows us to run a simulation to see where bottlenecks would occur, therefore helping airports to plan for upgrades to security without creating huge problems with efficiency and delays to passengers,” Professor Nahavandi said.

Many major international airports had already approached Deakin to run simulations so that they could perform security upgrades.

“Some major international airports we have been working with wanted to put new screening security machines in and we assisted them by looking at how it affected overall airport systems,” Professor Nahavandi said.

“It helps airports plan to reduce costs and the risk of making mistakes in terms of productivity and security if they go ahead and make their planned changes,” he said.

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Professor Saeid Nahavandi is Director of Deakin's Centre for Intelligent Systems Research. He will be speaking about his research on 16 October during DeakinWeek – www.deakin.edu.au .

Professor Nahavandi is available for interview and can be contacted on (03) 522 71231.

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