

## Collaborative Research

Members of the research and development team at ADI's Electronics & Aerospace Business Group and researchers at the University of Technology, Sydney (UTS) have been awarded a UTS seeding grant. This is to investigate the application of agent-based technologies, resource allocation and control systems theory in the management and control of military communications and information networks.

The grant will supplement current ADI development work and will enable UTS staff from within the Australian Research Council's Centre for Excellence in Autonomous Systems, to collaborate with our research people working in this area.

The grant also provides a regular income for a master's student, Haye Lau, who works two days a week at ADI's Garden Island facility to further his investigations and definitions of network service quality in military environments. Haye Lau is also assisting ADI software engineers to develop a prototype demonstrator.

'ADI intends to integrate the research outcomes with the 'Partner' network management technology recently transferred from Thales in Europe

'This will provide significant enhancement to the management systems ADI will propose for upcoming defence architecture projects including SEA 1442 and JP 2072, which relate to command and control systems in the marine and battlefield environment,' said ADI's Arthur Ollett, communications programs manager, Electronics & Aerospace. ▲



Haye Lau, (right) with his supervisor Bruce Keech, senior software engineer, communications.

# News in Brief

## Parari Conference

More than 250 delegates, many from overseas, attended the sixth Australian Explosives Ordnance Symposium in Canberra at the end of October.

Known as Parari (be prepared), the symposium is conducted every two years and is jointly hosted by the Ordnance Safety Group (Department of Defence) and ADI.

Mike Greenwood, general manager marketing and product development, ADI Land-Ordnance opened the event and made the welcoming address.

Key technical areas addressed during the three day event included explosives technologies, new projects, insensitive munitions, explosives sensitivity and hazards, explosives ordnance safety, transport and storage, and explosives policy. ▲

## Defence Accreditation

ADI's test & evaluation business has achieved accreditation as an Authorised Maintenance Organisation (AMO) from the Department of Defence.

Scope of the accreditation enables the company to carry out repair and maintenance of avionics equipment and associated radar and radome components for the Australian Defence Force.

The AMO can be expanded to include other existing or future avionics programs undertaken by ADI.

Photo shows ADI's test and evaluation team members (Left to right: Bob Everett, Hans Schneider, Vincent Capizzi, Alan Butler, Steven Szybowski and Tony Sloss. Missing from photo is Ian Tomlinson. ▲



## Quality Certification

ADI's Land – Ordnance Business Group has achieved certification to the new international quality standard ISO 9001:2000.

This success was achieved after a two week long audit by a team from Lloyd's Register Quality Assurance (LRQA)

'Trevor White, supervising lead assessor for LRQA was extremely complimentary following the audit and noted there has been a continuous improvement across Land – Ordnance. ADI's Lithgow Facility achieved a particularly impressive result,' commented Darryl Page, Director of Land – Ordnance. ▲

## Emergency Response Team

For the second year in succession, the emergency response team from ADI's munitions manufacturing facility at Benalla, has won an industrial fire and rescue competition.

Teams from regional industrial establishments took part in the event held at Thurgoona training academy in Albury. The competition involved four separate exercises. These included a rescue from a confined space in an underground tunnel system, attacking flammable liquid fires with hand-held appliances; confining a blaze to enable the isolation of an LP gas cylinder and a rescue from a smoke-filled building by a personnel wearing breathing apparatus. Members of the ADI team included Peter Leach, (captain), Ian Lyons, Greg Evans, Jon Flentjar, Gary Johnson, Peter Keen, Mick Loch, Alistair White and Jens Zimmerman. ▲

## Thales Wins Emmy Award

Joint owner of ADI, Thales, has been awarded an Emmy for technical and engineering excellence by the prestigious US National Academy of Television Arts and Sciences.

The award, presented in New York, was given to Thales Broadcast and Multimedia for the pioneering development of digital modular adaptive pre-correction for ATSC 8VSB digital transmitter systems (associated with television).

This marks the third time that Thales has received an Emmy for technical achievement. The first, in 1989, was for the company's Klystron tube and transmitter and the second, in 1999, for MPEG test solutions. ▲