Joint Project between University of Wollongong and Chinese Academy of Sciences

Broadband Wireless Technology R&D for Mining Rescue Operations

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Collaboration To Date:
- Collaboration started in 2001
- MoU agreement at Faculty Level, 2004
- Several reciprocal visits
- Joint publications (>10)
- Joint DEST/MOST grant applications

UIC 2006 Project Aims:
1. Pilot study of broadband wireless technologies for mining rescue
2. Expansion of MoU to University Level
The project aims to investigate the application of broadband wireless technology for use in mining rescue operations in China and Australia. The project will be carried out jointly between UoW and the Chinese Academy of Science (CAS). CAS is the premier research organisation in China with extensive facilities, research student training programmes and industry links. This project will significantly extend current collaboration activities between UoW and CAS. These collaboration activities are pivotal to UoW in advancing its internationalisation objectives in the Asia region. The project will result in joint publications and external grant applications. It will also assist in further developing a formal programme for research staff and research student exchanges between UoW and CAS.
Key Outcomes

The project has resulted in a strengthened collaboration link between the UOW and the Chinese Academy of Sciences. As a result of this project and long term collaboration between the chief investigators and their counterparts at the Chinese Academy of Sciences, the chief investigators have been awarded prestigious visiting research appointments at the Chinese Academy of Sciences.

The project initiated a research activity to examine the suitability of different wireless technologies for use in emergency operation in coal mines. This is a very important research topic for both Australia and Chinese mining industries. The collaboration has resulted in nine joint research papers and an agreement to continue the project into its next phase.