

DOCTORATE WITHOUT BORDERS

THERE'S A NEW OPPORTUNITY TO TAKE ON A PROFESSIONAL, INDUSTRY-READY PHD

Want to be pushed to your limit academically and apply what you learn at the same time? The Industry Doctorate Program at the University of Technology, Sydney (UTS) may be just what you're looking for.

The course has strong industry links and offers special scholarships, explains current student Liye Sun, a third-year doctoral candidate from China based at the UTS Centre for Autonomous Systems. The program is offering her an unequalled opportunity to work on a real-life industry-related problem.

"Instead of doing research in the same room every day, I go into the field and use new technologies," Liye says. Her PhD project aims to apply robotics data analysis techniques to data streaming from sensors attached to and within water pipes to assess their condition. She hopes her research will make more of an exact science of predicting when important industrial pipes will burst. This could save the Australian water sector \$700 million a year on reactive repairs and maintenance, and also remove the disruption caused to homes and businesses when critical pipes burst.

As is the case for all program students, Liye is paired with a UTS partner organisation, which in her case is Sydney Water. This collaboration gives her the opportunity to carry out cutting-edge research, gain skills in the latest techniques and equipment, and communicate complex research effectively to different audiences. At the same time, it also means rubbing shoulders with innovators, technicians and business leaders.

"It's great to meet lots of industry guys because we look at problems in completely different ways," Liye says. – Ben Skuse



UTS RESEARCH

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