

Transcript

Title: Securing AI in healthcare
Creator: Swinburne University of Technology
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PROFESSOR YANG XIANG: AI systems can help people to solve very complex problems.

PROFESSOR RACHAEL MCDONALD: By integrating multidisciplinary care, you're actually making it better.

PROFESSOR GAVIN LAMBERT: It has the potential to reshape medicine to revolutionise how we diagnose treat and prevent disease.

PROFESSOR YANG XIANG: However, all those AI systems have some vulnerabilities So in this project, we aim to strengthen the security of AI systems embedded in AR and VR for healthcare. We have a huge responsibility to provide ethical practice in health care, especially when we need to protect the users data and privacy.

PROFESSOR GAVIN LAMBERT: In order to get the trust in using these technologies, we have to make sure that privacy is protected. The autonomy of the patients are protected, it's the patient's decision to actually make sure that their data is going to be used appropriately.

PROFESSOR RACHAEL MCDONALD: This project came across as a really great opportunity with CSIRO and Data 61, and colleagues of mine to really look at data is data, but it's the development of data and technology and the application and adoption into real world healthcare.

PROFESSOR GAVIN LAMBERT: We're trying to actually utilise our skills in computer science and in health, to provide real world solutions for existing problems.

PROFESSOR RACHAEL MCDONALD: So there is a great potential, but we're not quite there yet with it, and this project should add to being able to understand how that machine learning can be used with people who use assistive technologies to improve their uptake and ability of those technologies to support their life whilst not creating extra vulnerabilities that we hadn't thought about yet.

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