

**Professor Michael Milford – QUT Faculty of Engineering, School of Electrical Engineering & Robotics**



I conduct interdisciplinary research at the boundary between robotics, neuroscience and computer vision and am a multi-award winning educational entrepreneur. My research models the neural mechanisms in the brain underlying tasks like navigation and perception to develop new technologies in challenging application domains such as all-weather, anytime positioning for autonomous vehicles. I am also passionate about engaging and educating all sectors of society around new opportunities and impacts from technology including robotics, autonomous vehicles and artificial intelligence. I currently hold the positions of Director of the QUT Centre for Robotics (acting), Professor at the Queensland University of Technology, Microsoft Research Faculty Fellow and Chief Investigator at the Australian Centre for Robotic Vision.

I have or am leading or co-leading projects totalling more than 45 million dollars in research and industry funding for fellowships and team grants from organizations including the Australian Research Council, Microsoft and US Air Force. My papers have won (6) or been finalists (9) for 15 best paper awards including the 2012 ICRA Best Vision paper. My citation h-index is 37, with 7747 citations as of March 2021. I have dual Australian-US citizenship and have lived and worked in locations including Boston, Edinburgh and London. I have collaborated with organizations including Harvard University, Boston University, Oxford University, MIT, Google Deepmind, Caterpillar, the US Air Force and NASA's Jet Propulsion Laboratory.

As a lifelong educational entrepreneur, I have created innovative educational resources for students for 20 years, with customers across 35 countries. My company Math Thrills combines mass market entertainment and STEM education to create math-filled young adult fiction and movie-inspired education. Math Thrills has received funding from Kickstarter, QUTBluebox and the AMP Foundation, honours including the Queensland Young Tall Poppy of the Year Award, finalist at the Reimagine Education awards, a TedXQUT talk and a World Science Festival event. We have over 20 titles including The Complete Guide to AI for Kids, the STEM Storybook and Rachel Rocketeer.