

## Johnson Thie



Research Fellow at Australian School of Advanced Medicine (Macquarie University)

Research

<http://www.directoryinventor.com/profile/view/gsTGxuEe>

## Experience

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### Research Fellow

Australian School of Advanced Medicine (Macquarie University)

1001-5000 employees; Educational Institution; Research  
June 2009 - Present

I lead bleeding-edge biomedical technology projects and frontier vision science research. My key project is developing a high-fidelity acquisition system for multifocal visual evoked potential study. I develop algorithms to characterise mf-VEP signals for glaucoma and optic neuritis applications. I am designing a retinal vessel imaging system to characterise the vessels' dynamic properties. I also investigate the use of EEG for improving training programmes for neurovascular surgeons. I co-supervise PhD and Master students in VEP studies on human and rats.

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## Patents (2)

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### Method and system for detecting and classifying the mental state of a subject

Tan Thi Thai Le, Nam Hoai Do, William Andrew King, Hai Ha Pham, Johnson Thie, Emir Delic  
January 4, 2011: 07865235

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### Method for transmitting data over lossy packet-based communication networks (2 worldwide citation)

David Taubman, Johnson Thie  
May 18, 2010: 07719978

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[View all \(2\)](#)