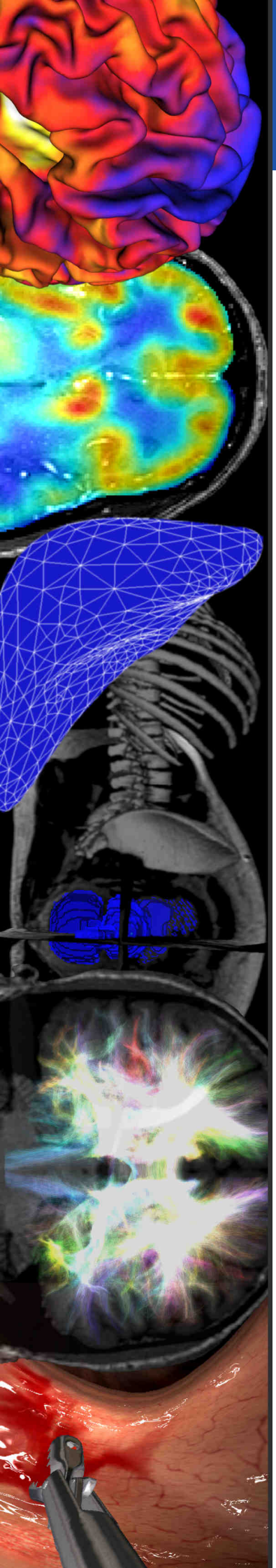

Science Symposium
GPGPU Techniques for Medical Image Processing and Simulation

CSIRO and the IEEE Queensland Engineering in Medicine and Biology Society (EMBS) are proud to announce a Science Symposium on GPGPU Techniques for Medical Image Processing and Simulation, on the 30th March 2009.

Due to huge increases in the processing power of modern graphics cards, General Purpose computation on Graphics Processing Units (GPGPU) techniques have become widely used to solve computationally expensive problems often over massive data sets.

The upcoming Science Symposium offers researchers an opportunity to see the potential for how GPGPU techniques can be leveraged in their own imaging and simulation research via technical briefs and real-world examples.

At the end of the Symposium, delegates should have a solid understanding of GPGPU techniques, including preferred hardware and software platforms.

We are offering the opportunity for delegates to present oral papers on GPGPU based techniques covering (but not limited to) the following topics:

- Image processing and registration
- FEM and soft tissue simulation techniques
- Large data set visualisation
- Image guided surgery
- Preoperative surgical planning
- Tomographic reconstruction
- Ultrasound simulation

Our keynote speaker, Dr. Mark Harris, Senior Developer Technology Engineer at NVIDIA, will speak about the latest NVIDIA hardware architecture and the CUDA programming platform.

We look forward to seeing you and as seats are limited so we advise early registration to avoid disappointment.

When	30th March 2009 9:00am – 4:00pm
Where	Level 2 UQCCR Building 71/918 Royal Brisbane and Women's Hospital Herston QLD Australia
Cost	Free (lunch and refreshments provided)
Registration	By 15th March 2009 Lauren.Anderson@csiro.au (07) 3253 3600

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