

Enterprise

School of Computing and Mathematical Sciences



Research and Technology Transfer

The School currently has four Professors and supports over 50 PhD students working on a range of topics in the fields of Computing and Mathematical Sciences. As you can expect, with so many projects being completed each and every year, the School is in the very enviable position of being able to offer advanced technology solutions to public and private organisations seeking to capitalise on this technology.

In the 2008 Research Assessment Exercise, the School was deemed to have **50% of its research output at international or world-leading level.**

The School has a number of complimentary research groups in areas including:

- Protection of Critical Infrastructures
- Distributed Multimedia Systems and Security
- Computer Games Development
- Networked Appliances
- Applied Computing
- Neural Computation and Statistics

We also run the **Research Centre for Critical Infrastructure Computer Technology and Protection (PROTECT Research Centre)**. The central purpose and rationale of this centre is to promote technological advances among IT practitioners through research, knowledge transfer, education/training and enterprise activities for the development and protection of critical infrastructure through the use of trustworthy computer technology.

The School holds research funding from a number of national and international bodies including the TSB, EU and EPSRC to name a few. Our researchers and academic staff regularly publish articles and papers at national and international events and peer-reviewed international journals so you can be confident of the quality of our research.

Technology transfer is a key part of the School's strategy for widening links with local and national industry. We would be happy to discuss how any of our current projects may be able to assist your Company now or in the future.

Commercial Successes

As part of our on-going research in digital forensics, the School developed an innovative solution called **Forsigs**. **Forsigs** uses a unique, patented signature analysis in the investigation of raw data for evidence of malicious or illegal images, resident or deleted on devices.

This innovative solution has evolved from partnership with leading academic researchers, law enforcement agencies and the commercial sector to meet the needs of today's digital forensics investigations. Easily integrated into existing digital forensics investigatory architecture, **Forsigs** provides comprehensive, fast and accurate automated analysis of computerised data while protecting practitioners from the physiological burden of dealing with such material.



Forsigs has been successfully trialled with Merseyside Police High Tech Crime Unit.

Contact

For more information or to arrange a no-obligation discussion, contact either Professor Madjid Merabti on 0151 231 2284 or Professor Qi Shi on 0151 231 2272 or alternatively you can e-mail cms-enterprise@ljmu.ac.uk.