ICSL

Internet Commerce Security Laboratory

The Internet Commerce Security Laboratory (ICSL) is a cyber-security and analytics research laboratory at Federation University of Australia. The ICSL team conducts research applying advanced analytic techniques to cyber-crime and big data issues for industry.

ICSL was established as a cyber-security research laboratory in 2008 with key partners – State Government, Westpac and IBM. Since then ICSL has continued to expand its skills and industry partnerships in working on research that has real work applications to cyber-security issues.

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ICSL Vision

To be a world recognised research centre in cyber-security and analytics.

Our industry partners are a mix of both national, regional and international businesses and organisations including Westpac, IBM, Australian Federal Police, Attorney General's Department, Defence Sciences Institute, Phislabs, Samaran International, Red Marker and The Data Exchange.

ICSL services to industry:

- » Research
- » Consultancy projects
- » Project management
- » Training
- » Student internships

Innovation support for industry

- » Access to research in specialised areas
- » World class intelligent algorithms that meet industry needs
- » Research-based outcomes applied that have real world applications
- » Industry consultancy projects and research
- » Access to the full range of technologies developed by ICSL
- » Research training to industry based peers

Key Capabilities

ICSL's main areas of strength are in the fields of cyber-security and analytics which include:

- » Threat profiling
- » Forensics
- » Fraud detection
- » Malware analysis
- » Identity theft
- » Big data analytics
- » Text mining
- » Infrastructure Security
- » Assessment and training

Team Briefing 2015

Benefits to Clients

ICSL Projects include:

- » Westpac Banking Corporation

- » International collaborations with University of Technology, Troyes, France

- » Attorney General's Department Project

- » Telematics Trust – ID Thief Program for investigating Facebook profiles for leaking private information.

- » Australian Mathematical Sciences Institute (AMSI) Internship – Telstra

- » Phishlabs

- » Technology Voucher Program with Data Exchange

- » Red Marker Pty Ltd

Research projects undertaken by ICSL are in the areas of authorship analysis, malware analysis, image detection, fraud analaysis and cyber-crime profiling.

Projects

Internet Commerce Security Laboratory Establishment Project (ICSL) was established to identify best practice processes and develop leading edge internet security solutions with the aim of staying one step ahead of the cyber-crime associated with internet commerce. The ICSL had combined funds of $4 million over 5 years.

Partnerships & Networks

ICSL works closely with a number of peak organisatrions and industry partners including:

The Centre for Informatics and Applied Optimisation (CIAO), Westpac, IBM, Defence Sciences Institute, DST Group (Australia), Massey University (New Zealand), University of Technology Troyes (France), Deakin University (Australia), Phishlabs (USA), Anti-Phishing Working Group (USA), and continues to develop strong industry relationships.

ICSL maintains contact with members of the Australian Federal Government and State Government in a number of cyber-security capacities.

ICSL Runs annual events profiling the latest developments across the cyber-security area.

Our Researchers

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Location

The ICSL is located in the Greenhill Enterprise Centre, University Drive, at the Mt Helen Campus.

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