

Application Form - ESISS (EMMAN Shared Information Security Service)

(Submission of an entry assumes acceptance of all the conditions relating to the award as described above.)

Institution Name: **Loughborough University**

Originating Department: **IT Services**

Contact Name (and email address): **Matthew Cook (m.s.cook@lboro.ac.uk)**

Objective of the *Project/Service*: **ESISS provides a complete portfolio of Information Security services to the UK academic sector. These services are designed to reduce the risk of significant information security breaches and reduce the associated costs of prevention, management, remediation and audit activities.**

Description of the *Project/Service*: **The EMMAN Shared Information Security Service (ESISS) managed by Loughborough University is the first HEFCE funded pilot Shared Service to go live. ESISS provides over 14 different services including the highly innovative reputation dashboard.**

Supporting documentation about the *Project/Service*: **As Attached**

Name of Staff involved (including job titles and email addresses)

Matthew Cook - Network & Security Manager (m.s.cook@lboro.ac.uk)

Paul Whitton – Senior IT Services Specialist (p.whitton@lboro.ac.uk)

Mohamed Imran – IT Services Specialist (m.imran@lboro.ac.uk)

Support of Institution UCISA Representative

Name: **Dr Phil Richards**

When completed, e-mail the submission to execsec@ucisa.ac.uk.

Please note that submissions should be limited to 4 sides of A4 but may include appendices containing supporting evidence such as screenshots.

Supporting documentation:

The EMMAN Shared Information Security Service (ESISS) managed by Loughborough University is the first HEFCE funded pilot Shared Service to go live.

From circa 65 feasibility studies funded by HEFCE, four were chosen to enter pilot stage and of those four ESISS went live on Tuesday 12th January 2010. During the pilot stage, services were delivered primarily to the eight Universities within the East Midlands region with a few early adopters outside the region.

ESISS provides a complete portfolio of Information Security services to the UK academic sector. These services are designed to reduce the risk of significant information security breaches and reduce the associated costs of prevention, management, remediation and audit activities.

ESISS is able to solve problems like Solving problems like:

- Providing a low cost alternative to in-house provision
 - FTE's with a diverse, yet detailed experience in the field
 - Expensive equipment and infrastructure
- Reducing the cost of compliance:
 - Creating internal information security policies
 - Addressing auditor's information security requirements
- Reducing the cost of forensic investigation
- Preventing security incidents by early warning and prediction
- Reducing the organisation's legal risk
- Protecting the organisation's reputation
- Benchmarking and establishing best practice

A dedicated team of Information Security specialists within Loughborough University with a wealth of experience provide both the subscription and ad-hoc consultancy services. ESISS understands the needs of the educational environment and tailors its services to the specific needs of our community.

The team has a diverse experience of different facets of Information Security; having previously discovered vulnerabilities in major products from: Cisco, HP, ExLibris Aleph and Metalib.

At the heart of ESISS is a subscription based service to prevent and limit the impact of a breach of an organisation's information security defences. Through the monitoring of the organisation's link to the Internet; suspect network patterns and behaviours can be identified and flagged with the organisation for action. These information rich notifications will allow local staff to respond to incidents in a swift and concise manner.

An innovative reputational monitoring component was developed entirely by Loughborough University during the pilot phase in 2009 to meet the increasing requirements for organisations to monitor reputation on the Internet.

Media stories demonstrate the requirement for monitoring: "University fails to use its own language guidelines in its publications."; domain hijacking problems causing costly solicitors action and the advent of comments on new media sites like Twitter "I've failed to do any work today, due to network outages!"

The reputation dashboard does not simply scan news sites for references to an organisation. It includes an exhaustive array of reputation and technical based modules which can be used to analyse multiple languages in the international market place Universities have entered. All results are ranked and filtered by automatic bayesian filters on a daily basis.

The ESISS reputation dashboard currently monitors: Twitter, Google, Facebook, Bebo, Blogosphere, News Sites, Wikipedia, Student web forums, University guides, RateMyProfessor, Chat forums, Graduate Jobs forums, eBay, on-site web servers, web statistics, technical security vulnerabilities, out of date web software, safe browsing alerts, streaming media sources and users who publish their login credentials.

ESSIS services cover an array of different Information Security requirements; from accredited penetration testing and ad hoc consultancy to a complete Information Security management package for an entire organisation.

Information Security is a rapidly evolving pressure for organisations. By pooling the sector requirements into a shared service, we can offer a better capability than each individual organisation is likely to be able to provide in isolation.

Feedback from users of the service:

Feedback on security notifications:

"Thanks for this - it's just the kind of helpful message that explains the problem, and the solution, in sufficient plain English for those who are not adept at IT Security to understand and respond to quickly."

Feedback on Information Security consultancy:

"There's been a great buzz here since your visit and we're all fired up now with loads of actions having been suggested already, so the visit was an absolutely resounding success - many thanks again."

Operational Services Manager at University of Huddersfield

List of Reputational Modules:

- Twitter
- Google
- Facebook
- Bebo
- Blogosphere
- News Sites
- Wikipedia
- TheStudentRoom.co.uk
- WhatUni.com
- RateMyProfessor.com
- IRC/IRQ Chat Channel Search
- Graduate Jobs Forums
- eBay Searching
- International Searches
- Bayesian Filtering of Results
- Web Server Directory Indexes
- Default Web Server Installs
- Default Web Folders
- Web Stats
- RBL Checks
- Open Relay Checks
- Recursive DNS Checks
- Web Forgery
- Gallery
- WordPress
- MyPHPAdmin
- Vulnerable Web Servers
- Google SafeBrowsing
- Streaming Media Open Nodes
- User Credential Loss

Welcome MattCook



[Logout](#)

Contact Us

New Business: 07774 251 556
 Tel: 01509 22 5978/5979
 Fax: 01158 48 4724
 Email: esiss@emman.net

EMMAN Ltd
 c/o Information Systems
 The Nottingham Trent University
 Burton Street
 Nottingham
 NG1 4BU

Organisation: Loughborough University

Your Role(s): Admin > [Alter Settings](#)

Overall Health indicator: 

Test Mechanism Summary

Test Mechanism	Description	Weight	Most Recent Score	Last Update
Home Page Search [edit parameters]	Checking the name "Loughborough University" against home page URL More info...	0.9	1.000	2010-01-26 02:34:02 See results
Webcam Finder [edit parameters]	Network visible webcams More info...	0.5	1.000	2010-01-26 18:15:11 See results
Open Proxy Servers [edit parameters]	Open Proxy Testing More info...	0.5	1.000	2010-01-26 11:17:45 See results
JANET RBL presence [edit parameters]	Check Lboro Hosts for RBL entries More info...	0.2	1.000	2010-01-26 20:45:01 See results
Check for banned words [edit parameters]	Look for banned words in Loughborough University More info...	0.5	0.615	2010-01-26 04:23:01 See results
Vulnerable Wordpress Versions [edit parameters]	Checks for dodgy versions of WordPress More info...	0.2	1.000	2010-01-26 18:18:06 See results

ESISS Reputation Dashboard

Retrieved	2009-11-03 18:59:08
URI	http://twitter.com/lonelypillow/statuses/5244245335
Output	just got 2 university offers :) loughborough here i come!
Current Category	Good
Suggested category	Leave alone <input type="button" value="v"/>
Marked to ignore?	No Toggle

ESISS Twitter Reputation Module