

Employment

Lecturer

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School of Computing, Engineering and Physical Sciences

University Of The West Of Scotland

1 Aug 2023 → present

External Examiner

Staffordshire University

United Kingdom

31 Dec 2020 → 31 Dec 2024

About Me:

I successfully completed my PhD in Information Science and Control Engineering from Nagaoka University of Technology, Japan in 2011, under the supervision of Prof. Shusaku Nomura (Thesis: Evaluation of Multimodal Biosignals and Biometrics in E-learning). The research examined the utilisation of biometrics and biosignals to automate the authentication and access control of candidates for online examinations, and to understand the underlying psychophysiological states of the e-learners to personalise the learning material delivery and service management. I received my postgraduate and undergraduate degrees in Computer Science from London Metropolitan University UK, respectively in 2007 and 2004. In my postgraduate degree, I developed and demonstrated a Multi-Agent based Distributed Network Intrusion Detection System with the ability to learn and detect new type of network intrusion in addition to the signature-based intrusion detection using Deep Packet Learning techniques (Thesis: Total Defense - An agent-based Distributed Network Intrusion Detection System), and won the award for the best project. I research within interdisciplinary projects in Internet and Communication Engineering, as part of my CPD I also have obtained FHEA accreditation.

Qualifications

Doctor of Philosophy, Evaluation of Multimodal Biosignals and Biometrics in E-learning, Nagaoka University of Technology

2 Feb 2008 → 25 Mar 2011

Award Date: 25 Apr 2011

14 Sept 2020 → 6 Feb 2021 CISCO CyberOps, CyberOps

2 Jul 2018 → ... Fellow of Higher Education Academy, FHEA

1 Apr 2004 → ... MBCS, Member of British Computer Society

Education Qualifications:

Doctor of Engineering (Dr. Eng) in Information Science and Control Engineering, Nagaoka University of Technology, Japan. (2011 March)

Thesis: Evaluation of Multimodal Biosignals and Biometrics in E-learning

Awards, Memberships, Scholarships and Activities:

- a) Fellow of Higher Education Academy (FHEA)
- b) Member of British Computer Society (MBCS) since 2004, Membership Number: M10049542
- c) Awarded KDDI Japan Scholarship for technological excellence for the PhD proposal and received a scholarship worth 4.4 million JPY. KDDI is the largest telecommunication operator in Japan (2009).
- d) Received Japan Student Service Organisation (JASSO) Scholarship for advancement in technology, awarded for the PhD research output and received 1.6 million JPY worth scholarship (2010).
- e) Member of Reviewers and Advisory Panel – British Journal of Education Technology. (Online ISSN: 1467-8535) (Impact Factor: 1.539)
- f) Member of the Program Committee of 9th IEEE/ACIS International Conference on Computer and Information Science in 2010.
- g) Member of SCONE (Scottish Networking Group)

Skills:

Computer Networking, Computer Networks Security, Network Architecture, Information and Communication Technology, Network technology, Cyber Security, Network Administration, Internet Security, Cryptography, Computer Security and IoT, E-Learning, Research And Development, Testbeds, Databases, Data Visualization, Network Simulation, Programming

Languages, Bioinformatics, Bioinformatics Analysis.

Programming Languages:

Java, C++, C, Shell Script, Python, JSP, PHP, HTML, CSS, PERL, MySQL, MATLAB, R Language and etc.

OS:

OS: Windows, Linux (Ubuntu, Debian, and Backtrack/Kali), OSX, OpenWrt, CeroWrt, Contiki, Snappy, TinyOS, Raspbian and etc.

Tools: Iptables and Netfilter, Metasploit, Wireshark (tcpdump), Netcat, ZED Proxy (OWASP), Burp Suite, Squid Proxy, RADIUS, Packet Tracer, GNS3, etc.

Platforms:

Moodle, Blackboard, SPSS, CakePHP, .Net, LaTeX, Gnuplot, Git, GDB, cscope, valgrind and etc.