

ICCWS 2020

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Mini Track on Big Data for Cybersecurity

Mini Track Chair: **Dr. Nasser Abouzakhar**, University of Hertfordshire, UK



As a distributed environment for an open market, the Internet is a rich source of “big data” with an unprecedented amount of data generated and an unlimited number of interactions between systems and users. This is to provide services to different applications, interconnected infrastructures such as transport, healthcare, energy for smart cities etc.

Big data is gaining momentum as billions of devices and connected systems will soon be adopting smart technologies and exchanging sensitive information. However, this also allows attackers to identify many vulnerable targets. Therefore, the sophistication of cyber security threats and attacks has grown. As malware incidents increase in volume and complexity, it’s becoming more difficult for traditional analytic tools to keep up. Therefore, traditional security solutions have come into question which means they will require robust and effective systems. The purpose of this Mini Track “Big Data for Cybersecurity” is to bring together researchers, practitioners and industrialists interested in big data issues related to cybersecurity operations. Recent advances in the fields of big data such as big data analytics and tools, malware analysis, detection and prevention are key factors in the growth of cybersecurity services and operations. This Mini Track is expected to attract academics and professionals and to stimulate interesting discussions about the latest development of solution models and techniques for big data and cybersecurity.

Topics invited to the mini-track include by are not limited to:

- Big data analytics as a security mechanism
- Big data for event/activity monitoring
- Big data for intrusion/fraud detection and prevention
- Big data tools for cybersecurity
- Big data industry standards and regulations



Nasser S. Abouzakhar is a senior lecturer at the University of Hertfordshire, UK. Currently, his research area is mainly focused on critical infrastructure security, cloud security and applying machine learning solutions to various Internet and Web security and forensics related problems. He received his PhD in Computer Sci Engg in 2004 from the University of Sheffield, UK. Nasser worked as a lecturer at the University of Hull, UK 2004-06 and a research associate at the University of Sheffield 2006-08. He is a technical studio guest to various BBC World Service Programmes such as Arabic 4Tech show, News-hour programme and Breakfast radio programme. Nasser is a BCS chartered IT professional (CITP), CEng and CSci and is a BCS assessor for the accreditation of Higher Education Institutions (HEIs) in the UK. His research papers were published in various international journals and conferences.

Submission Details

In the first instance a 300-350 word abstract is required, to be received by the **23rd August 2019**. Please read the guidelines at <http://www.academic-conferences.org/policies/abstract-guidelines-for-papers/>

Submissions must be made using the online submission form at <http://www.academic-conferences.org/conferences/iccws/iccws-abstract-submission/>

If you have any questions about this track please email the mini track chairs: N.Abouzakhar@herts.ac.uk See more about ICCWS 2020 at <http://www.academic-conferences.org/conferences/iccws>