3rd Global Summit and Expo on

MULTIMEDIA & ARTIFICIAL INTELLIGENCE

July 20-21, 2017 | Lisbon, Portugal

Richard Jiang

Northumbria University, UK

Biometric big data in smart cities: Opportunities in forensics, healthcare, banking, cybersecurity and privacy

Biometrics in modern computer science is defined as the automated use of biological properties to identify individuals. The early use of biometrics can be dated back to nearly 4000 years ago when the Babylon Empire legislated the use of fingerprints to protect a legal contract against forgery and falsification by having the fingerprints impressed into the clay tablet on which the contract had been written. Nowadays, the wide use of the internet and mobile devices has brought out the booming of the biometric applications, and research on biometrics has been drastically expanded into many new domains. With the booming of internet and mobile applications, rapid increase of biometric data from billions of users on internet/mobile has been facing the challenge of big data issue, especially when many new applications are linked to city-scale domains in smart cities. These new applications have created a huge market of billion dollars for biometric technologies and the industry needs comes back to push the research further and vigorously. In this talk, we will address the challenges and opportunities in the era of big data within the background of smart cities.

Biography

Richard Jiang is a Senior Lecturer in Computer and Information Sciences at Northumbria University, Newcastle, UK. His research interest primarily resides in the fields of Biometrics, Cognitive Computing, Microscopic Pathology, and Financial Computing. He is a Fellow of High Education Association (FHEA) and a Professional Member of Association of Computing Machine (MACM). He received his PhD in Computer Science at Queen's University Belfast, Belfast, UK, in July 2008. After his PhD study, he has been working at Brunel University, Loughborough University, Swansea University, University of Bath and University of Sheffield. He joined Northumbria in May 2013. He has authored and co-authored more than 50 referred journal and conference publications.

richard.jiang@unn.ac.uk

Notes:

J Comput Eng Inf Technol, an open access journal
ISSN: 2324-9307

Multimedia 2017
July 20-21, 2017

Volume 6, Issue 4 (Suppl)

Page 45