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Security

Security - Highlights

Authentication Technologies for Cloud Computing, IoT and Big Data

Editors: Yasser M. Alginahi & Muhammad N. Kabir, Taibah University, Saudi Arabia & University Pahang Malaysia, Malaysia

This book covers state-of-the-art global research on authentication technologies for security and privacy in information systems, including applications, research challenges and future research directions. Topics include information security, data authentication algorithms, cryptography, digital watermarking, biometric authentication and data authentication. Essential for scientists, engineers and professionals involved in all aspects of authentication and information technology and systems security.

2019 / 368pp / £125 / $160
Print   PBSE0090 / 978-1-78561-556-6
eBook PBSE009E / 978-1-78561-557-3

Hand-Based Biometrics: Methods and technology

Editor: Martin Drahanský, Brno University of Technology, Czech Republic
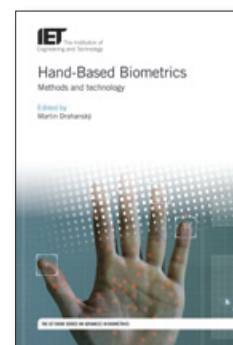
This book describes the complete biometrics of the hand, drawing on the latest research of its identifiable characteristics into one unique volume. It includes material on inner and outer hand physiology and diseases; fingerprint recognition and processing; palmprint recognition using 3D features; synthetic fingerprints; palmvein biometrics; finger veins recognition; 3D hand shape recognition; and anti-spoofing methods. Essential reading for researchers, engineers, practitioners, academics, product managers and government agencies in the security, biometrics and image processing fields.

The IET Book Series on Advances in Biometrics

2018 / 448pp / £125 / $160
Print   PBSE0080 / 978-1-78561-224-4
eBook PBSE008E / 978-1-78561-225-1

Information Security: Foundations, technologies and applications
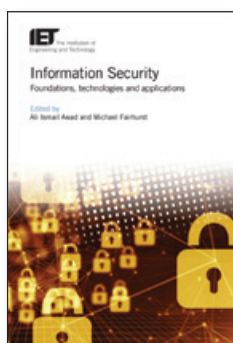
Editors: Ali Ismail Awad & Michael Fairhurst, Luleå University of Technology, Sweden & University of Kent, UK

This book outlines key emerging trends in information security in terms of foundations, technologies and applications. Studies covering information security and real-time challenges are combined with survey material which emphasizes the applications of information security in different domains. This book covers information security foundations such as information security in developing countries, biometrics, cybersecurity, and big data security. It features applications to hardware and embedded systems security, computer forensics, the Internet of Things security, and network security.

2018 / 416pp / £125 / $160
Print   PBSE0010 / 978-1-84919-974-2
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Nature-Inspired Cyber Security and Resiliency: Fundamentals, techniques and applications
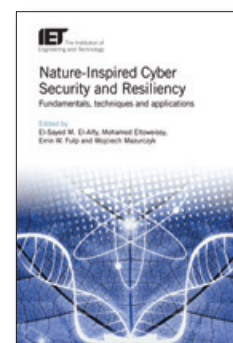
Editors: El-Sayed M. El-Alfy et al., King Fahd University of Petroleum and Minerals, Saudi Arabia

This is a timely review of the fundamentals, the latest developments and the diverse applications of nature-inspired algorithms in cyber security and resiliency. Based on concepts from natural processes, phenomena and organisms, it presents novel methodologies to cope with cyber security challenges. Coverage includes intrusion and malware detection, intelligent threat detection and traffic analysis, evolutionary and self-healing security systems, nature-inspired data protection, cooperative and self-configurable cyber defence, and more.

2019 / 480pp / £125 / $165
Print   PBSE0100 / 978-1-78561-638-9
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Security - Forthcoming

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Security, Privacy and Trust in the Internet of Things	Xiao & Zhang	£130.00	$170.00	978-1-78561-203-9	978-1-78561-204-6	PBSE006
The User Experience of Biometrics: Practical considerations for the deployment of biometric systems	Krol & Sasse (Eds)	£120.00	$155.00	978-1-78561-879-6	978-1-78561-880-2	PBSE011
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Security - Recent

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Engineering Secure Internet of Things Systems	Aziz, Arenas & Crispo (Eds)	£105.00	$165.00	978-1-78561-053-0	978-1-78561-054-7	PBSE002
Hand-Based Biometrics: Methods and technology	Drahanský (Ed)	£125.00	$160.00	978-1-78561-224-4	978-1-78561-225-1	PBSE008
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IET USA Inc

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ASIA PACIFIC

IET Asia Pacific Office

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F: +852 2778 1711
E: EricNa@theiet.org
Or
Ashley Rees
Global Sales Manager
M: +44 (0)7725 498144
E: ashleyrees@theiet.org

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The Institution of Engineering and Technology
Ashley Rees, Global Sales Manager
M: +44 (0)7725 498144
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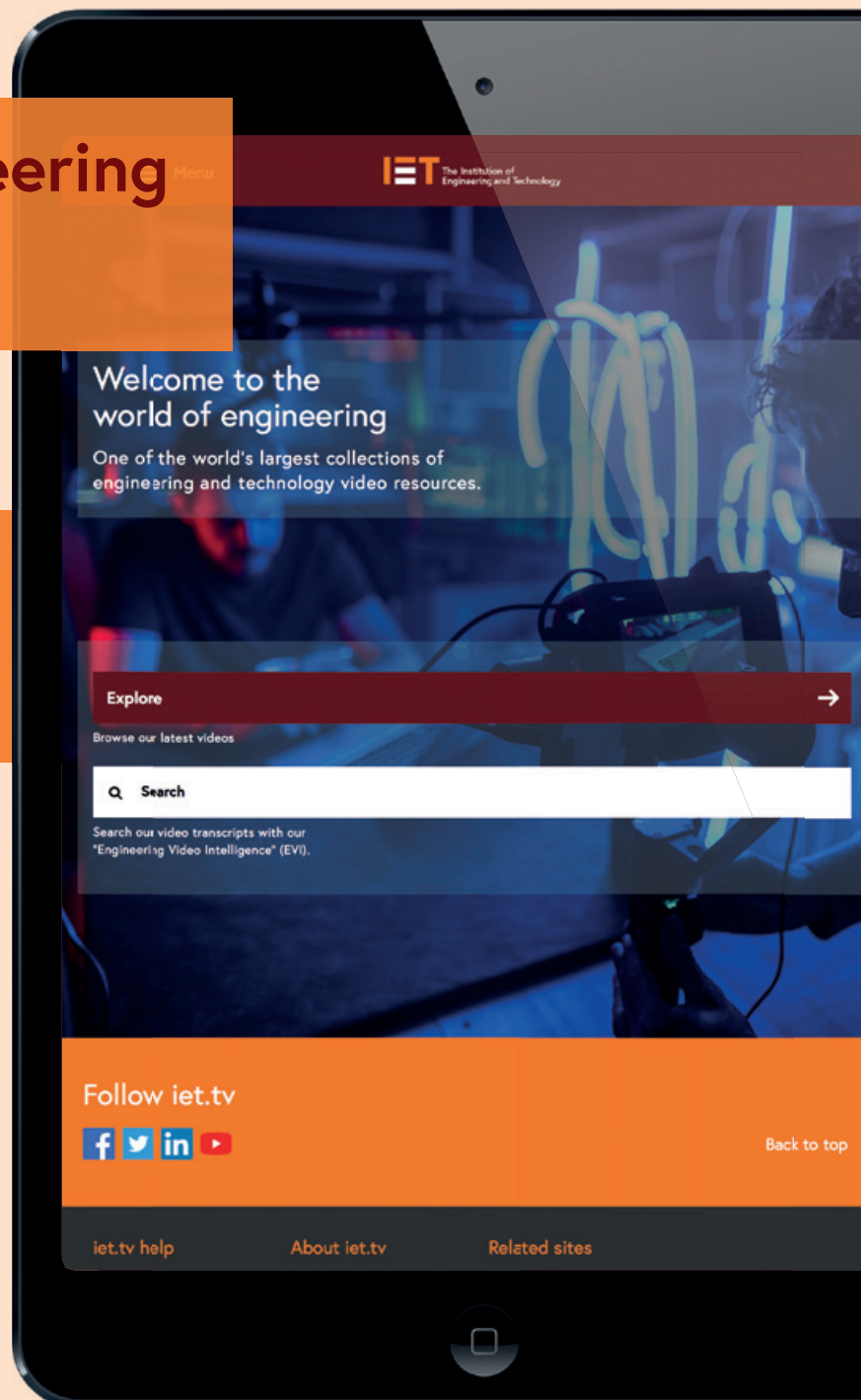
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