Recent & Forthcoming Wiley Books in IT Quality and Security

Imad M. ABBADI: Cloud Management and Security
ISBN: 978-1-118-81709-4, 240 pages (*published by* **Wiley** *in August 2014*)

Written by an expert with over 15 years' experience in the field, this book establishes the foundations of Cloud computing, building an in-depth and diverse understanding of the technologies behind Cloud computing.

In this book, the author begins with an introduction to Cloud computing, presenting fundamental concepts such as analyzing Cloud definitions, Cloud evolution, Cloud services, Cloud deployment types and highlighting the main challenges. Following on from the introduction, the book is divided into three parts: Cloud management, Cloud security, and practical examples.

Part one presents the main components constituting the Cloud and federated Cloud infrastructure (e.g., interactions and deployment), discusses management platforms (resources and services), identifies and analyzes the main properties of the Cloud infrastructure, and presents Cloud automated management services: virtual and application resource management services. Part two analyzes the problem of establishing trustworthy Cloud, discusses foundation frameworks for addressing this problem – focusing on mechanisms for treating the security challenges, discusses foundation frameworks and mechanisms for remote attestation in Cloud and establishing Cloud trust anchors, and lastly provides a framework for establishing a trustworthy provenance system and describes its importance in addressing major security challenges such as forensic investigation, mitigating insider threats and operation management assurance. Finally, part three, based on practical examples, presents real-life commercial and open source examples of some of the concepts discussed, and includes a real-life case study to reinforce learning – especially focusing on Cloud security.
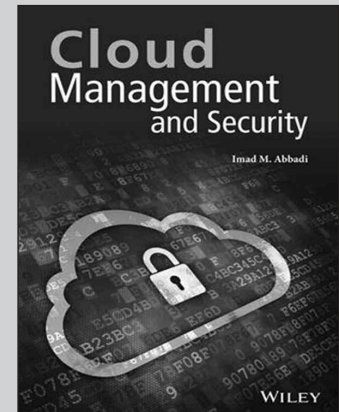
Tasos DAGIUKLAS, Chang Wen CHEN, Periklis CHATZIMISIOS, Lugi ATZORI: Multimedia Quality of Experience (QoE) – Current Status and Future Requirements
ISBN: 978-1-118-48391-6, 400 pages (*will be published by* **Wiley** *in May 2015*)

The book *Multimedia Quality of Experience (QoE): Current Status and Future Requirements* discusses the current status of QoE (Quality of Experience) research, providing guidelines on QoE assessment and management practice. Moreover, the book covers many different aspects of QoE research, including definition, standardization (ITU, ETSI, IEEE, IETF, etc.), measurement, management, and architectures. In addition, the authors bring together contributions from recognized experts (worldwide) in the area of subjective and objective QoE video assessment. Topics/chapters include: (1) QoE Definition and its relation/mapping to QoS; QoE Standardization activities; QoE Metrics for various media applications; QoE Subjective and Objective Evaluation Methodologies; QoE Control, Monitoring and Management strategies; End-to-End QoE Architectures in heterogeneous environments.

Andre PEREZ: Network Security
ISBN: 978-1-84821-758-4, 256 pages (*published by* **Wiley-ISTE** *in November 2014*)

This book introduces the security mechanisms deployed in Ethernet, Wireless-Fidelity (Wi-Fi), Internet Protocol (IP) and MultiProtocol Label Switching (MPLS) networks. These mechanisms are grouped throughout the book according to the following four functions: data protection, access control, network isolation, and data monitoring. Data protection is supplied by data confidentiality and integrity control services. Access control is provided by a third-party authentication service. Network isolation is supplied by the Virtual Private Network (VPN) service. Data monitoring consists of applying rules to data in order to authorize its transfer or detect attacks. The chapters of the book cover cryptography, 802.1x mechanism, WPA mechanisms, IPSec mechanism, SSL/TLS/DTLS protocols, network management, MPLS technology, Ethernet VPN, firewalls and intrusion detection.

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We mentioned here some of the recent & forthcoming books in IT **quality** and **security** fields published by the well-known international publishing house **Wiley**. These valuable books high will be analysed in the future issues of the journal "*Asigurarea calității – Quality Assurance*".
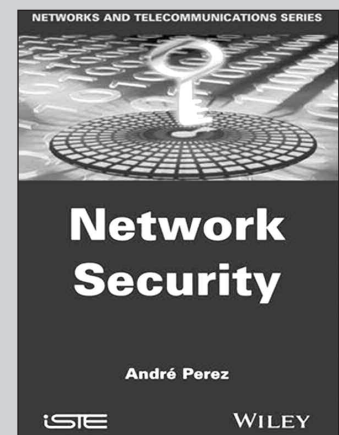
Professor **Ioan C. BACIVAROV**, PhD
President of the *Romanian Association for Information Security (RAISA)*
Editor-in-Chief "***Asigurarea calității – Quality Assurance***"