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Cloud and Cluster Computing

Ubiquitous Networks and Wireless Communications

Multimedia Convergence

Intelligent and Pervasive Applications

Security and Trust Computing

IT Management and Service

Bioinformatics and Bio-Inspired Computing

Database and Data Mining

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The FutureTech is a major forum for scientists, engineers, and practitioners throughout the world to present the latest research, results, ideas, developments and applications in all areas of future technologies.

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Editorial Review

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Victor C. M. Leung received the B.A.Sc. (Hons.) degree in electrical engineering from the University of British Columbia (U.B.C.) in 1977, and was awarded the APEBC Gold Medal as the head of the graduating class in the Faculty of Applied Science. He attended graduate school at U.B.C. on a Natural Sciences and Engineering Research Council Postgraduate Scholarship and completed the Ph.D. degree in electrical engineering in 1981. From 1981 to 1987, Dr. Leung was a Senior Member of Technical Staff at Microtel Pacific Research Ltd. (later renamed MPR Teltech Ltd.), specializing in the planning, design and analysis of satellite communication systems. He also held a part-time position as Visiting Assistant Professor at Simon Fraser University in 1986 and 1987. In 1988, he was a Lecturer in the Department of Electronics at the Chinese University of Hong Kong. He returned to U.B.C. as a faculty member in 1989, where he is currently a Professor and the inaugural holder of the TELUS Mobility Industrial Research Chair in Advanced Telecommunications Engineering in the Department of Electrical and Computer Engineering. He is a member of the Institute for Computing, Information and Cognitive Systems at U.B.C. He also holds Guest/Adjunct Professor appointments at Jilin University, Beijing Jiaotong University, South China University of Technology, The Hong Kong Polytechnic University, and Beijing University of Posts and Telecommunications. Dr. Leung has authored/co-authored more than 500 journal/conference papers and book chapters. His research interests are in the areas of architectural and protocol design and performance analysis for computer and telecommunication networks, with a current focus on wireless networks and mobile systems. Dr. Leung is a registered member of the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC), Canada. He is a Fellow of IEEE, a Fellow of the Engineering Institute of Canada, a Fellow of the Canadian Academy of Engineering, and a voting member of ACM. He is a Distinguished Lecturer of the IEEE Communications Society from 2009 to 2012. He has served on the editorial boards of the IEEE Transactions on Wireless Communications, the IEEE Transactions on Computers, the IEEE Transactions on Vehicular Technology, Computer Communications, the Journal of Communications and Networks, the International Journal of Sensor Networks, the International Journal of Wireless Communications and Networking and the International Journal of Communication Networks and Distributed Systems. He has guest-edited several special journal issues, and served on the technical program committee of numerous international conferences. He was the General Chair of the International Conference on Wireless Communications (WC 2010), Second International Conference on Ad Hoc Networks (AdhocNets 2010) and 4th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (QShine 2007). He is the General Co-chair of the Mobility Management in the Networks of the Future World (MobiWorld) and Green Communications and Networking (GCN) Workshops of IEEE Infocom 2011, the 6th International Conference on Communications and Networking in China (Chinacom 2011), and the 3rd FTRA International Conference on Computer Science and its Applications (CSA-11). He was the General Co-chair of 5th International Conference on Body Area Networks (BodyNets 2010), 5th International Conference on Embedded and Multimedia Computing (EMC 2010), IEEE/IFIP

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Dr. Cho?Li Wang received his B.S. degree in Computer Science and Information Engineering from National Taiwan University in 1985. He obtained his M.S. and Ph.D. degrees in Computer Engineering from University of Southern California in 1990 and 1995 respectively. He is currently an associate professor at the Department of Computer Science at The University of Hong Kong. Dr. Wang's research interests include parallel architecture, software systems for Cluster and Grid computing, and virtualization techniques for Cloud computing. Dr. Wang has published more than 130 papers in various peer reviewed journals and conference proceedings. He has served on the editorial boards of several international journals, including, IEEE TC, JISE, JPCC, MGS, ICST TNC, ICST SIS, IJIEI, and FTRA HCIS. He is the program chair for Cluster'03, CCGrid'09, InfoScale'09, and ICPADS'09, ISPA'11, FCST'11, and FutureTech'12; and the General Chair for IPDPS2012. He is also the regional coordinator (Hong Kong) of IEEE Technical Committee on Scalable Computing (TCSC). Dr. Wang is the primary investigator of China 863 project "Hong Kong University Grid Point". The HKU Grid point consists of 3004 CPU cores (31.45 TeraFlops), which offers parallel computing services for the China National Grid (CNGrid) and is used as a testbed for Cloud?related systems development.

Taeshik Shon received his Ph.D. degree in Information Security from Korea University, Seoul, Korea and his M.S. and B.S. degree in computer engineering from Ajou University, Suwon, Korea. While he was working toward his Ph.D. degree, he was awarded a KOSEF scholarship to be a research scholar in the Digital Technology Center, University of Minnesota, Minneapolis, USA, from February 2004 to February 2005. From Aug. 2005 to Feb. 2011, Dr. Shon had been a senior engineer in the Convergence S/W Lab, DMC R&D Center of Samsung Electronics Co., Ltd. He is currently a professor at the Division of Information and Computer Engineering, College of Information Technology, Ajou University, Suwon, Korea. He was awarded the Gold Prize for the Sixth Information Security Best Paper Award from the Korea Information Security Agency in 2003, the Honorable Prize for the 24th Student Best Paper Award from Microsoft-KISS, 2005, the Bronze Prize for the Samsung Best Paper Award, 2006, and the Second Level of TRIZ Specialist certification in compliance with the International TRIZ Association requirements, 2008. He is also serving as a guest editor, an editorial staff and review committee of Computers and Electrical Engineering - Elsevier, Mobile Network & Applications – Springer, Security and Communication Networks - Wiley InterScience, Wireless Personal Communications – Springer, Journal of The Korea Institute of Information Security and Cryptology, IAENG International Journal of Computer Science, and other journals. His research interests include Convergence Platform Security, Mobile Cloud Computing Security, Mobile/Wireless Network Security, WPAN/WSN Security, anomaly detection algorithms, and machine learning applications.

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