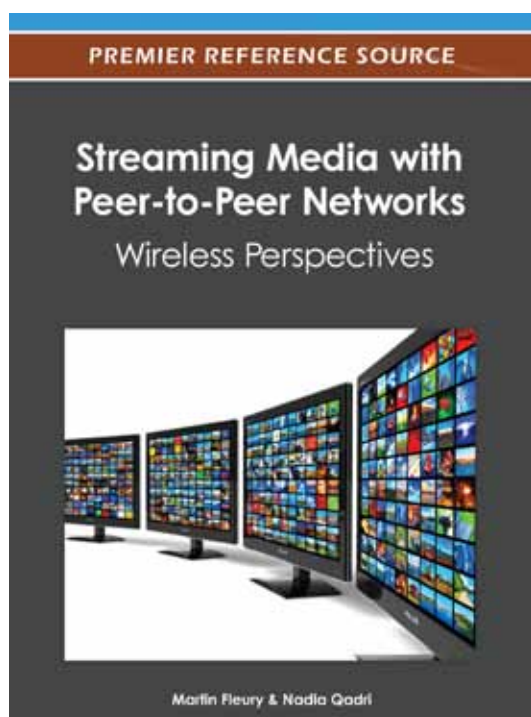


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Streaming Media with Peer-to-Peer Networks: Wireless Perspectives



Martin Fleury (University of Essex, UK) &
Nadia Qadri (COMSATS Institute of Information and Technology, Pakistan)

The number of users who rely on the Internet to deliver multimedia content has grown significantly in recent years. As this consumer demand grows, so, too, does our dependency on a wireless and streaming infrastructure which delivers videos, podcasts, and other multimedia.

Streaming Media with Peer-to-Peer Networks: Wireless Perspectives offers insights into current and future communication technologies for a converged Internet that promises soon to be dominated by multimedia applications, at least in terms of bandwidth consumption. The book will be of interest to industry managers, and will also serve as a valuable resource to students and researchers looking to grasp the dynamic issues surrounding video streaming and wireless network development.

Topics Covered:

- Mobile Ad Hoc Networks
- Advances in Peer-to-Peer Video Streaming
- Peer-to-peer streaming in Mobile Networks
- Case studies of Mobile Peer-to-Peer Systems
- P2P for MANETs and/or VANET
- Peer-to-peer over broadband, cellular, and/or wireless LANs
- Quality of Experience and Quality of Service
- Social Networking and Mobile P2P networks
- Broadcast and Multicast in P2P Mobile Networks
- Cross-layer design of P2P Overlays

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Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Martin Fleury holds a first degree from Oxford University, UK and an additional Maths/Physics based bachelor degree from the Open University, Milton Keynes, UK. He obtained an MSc in Astrophysics from QMW College, University of London, UK in 1990 and an MSc from the University of South-West England, Bristol in Parallel Computing Systems in 1991. He holds a PhD in Parallel Image-Processing Systems from the University of Essex, Colchester, UK. He is currently a Visiting Fellow at the University of Essex, UK, having previously worked as a Senior Lecturer at the University of Essex. Martin has authored or co-authored over two hundred and twenty five articles on topics such as document and image compression algorithms, performance prediction of parallel systems, software engineering, reconfigurable hardware, and vision systems. His current research interests are video communication over MANs, WLANs, PANs, BANs, MANETs, and VANETs. He is a guest editor of a number of journal special issues and a reviewer for a good number of journals in the IEEE Transactions series. He is also an external examiner for the Arab Open University in Kuwait and the Open University in the UK.

Section 1: Foundations

Chapter 1

Introduction:

Yao Jason J. (Graduate Institute of Communication Engineering, National Taiwan University, Taiwan)

Chen Homer H. (Graduate Institute of Communication Engineering, National Taiwan University, Taiwan)

Chapter 2

Peer-to-Peer Overlay for the IP Multimedia Subsystem

Lin Ling (Vodafone Group, UK)

Liotta Antonio (Eindhoven University of Technology, The Netherlands)

Chapter 3

Pervasive Streaming via Peer-to-Peer Networks

Alhaisoni Majed (University of Ha'il, Saudi Arabia)

Liotta Antonio (Eindhoven University of Technology, The Netherlands)

Chapter 4

Adaptive P2P Streaming

Bertone Fabrizio (Politecnico di Torino, Italy)

Menkovski Vlado (Eindhoven University of Technology, The Netherlands)

Liotta Antonio (Eindhoven University of Technology, The Netherlands)

Chapter 5

P2P Video Streaming over MANET

Niraula Nobal Bikram (University of Memphis, USA)

Laouiti Anis (Telecom SudParis, France)

Chapter 6

Overview of Mobile Ad Hoc Networks and their Modeling

Qadri Nadia N. (COMSATS Institute of Information Technology, Pakistan)

Fleury Martin (University of Essex, UK)

Section 2: Research Directions

Chapter 7

P2P Streaming over MANET and VANET

Qadri Nadia N. (COMSATS Institute of Information Technology, Pakistan)

Fleury Martin (University of Essex, UK)

Chapter 8

Recent Advances in Peer-to-Peer Video Streaming by Using Scalable Video Coding

Grois Dan (Ben-Gurion University of the Negev, Israel)

Hadar Ofer (Ben-Gurion University of the Negev, Israel)

Chapter 9

Quality of Experience in Mobile Peer-to-Peer Streaming Systems

Agboma Florence (University of Essex, UK)

Chapter 10

Reliable Multicast Streaming

Guerrero Javier Gálvez (i2CAT Foundation, Spain)

Section 3: Network Perspectives

Chapter 11

An Open Service Platform Based on an IP Metropolitan Mesh Network

Aquino-Santos Raúl (University of Colima, México)

Edwards-Block Arthur (University of Colima, México)

Rangel-Licea Víctor (National Autonomous University of México, Mexico)

Chapter 12

Optimal Route Selection Algorithm for Multi-Homed Mobile Network

Mitra Sulata (Bengal Engineering and Science University, India)

Chapter 13

Clean-Slate Information-Centric Publish Subscribe Networks

Carrea Laura (University of Essex, UK)

Almeida Raul (University of Essex, UK)

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