

DECEMBER 2011 / VOL. 99 / NO. 12

PAPERS

2089 Peer-to-Peer Media Streaming: Insights and New Developments

By Z. Shen, J. Luo, R. Zimmermann, and A. V. Vasilakos | CONTRIBUTED PAPER | New developments in peer-to-peer systems for media

streaming, covering modeling methods, and measurement-based studies are surveyed in this paper; future prospects and challenges are discussed.

2087 Prolog, J. Esch

Electric Field-Shaping Microdevices for Manipulation of Collections of

Microscale Objects

By K. Varsos, J. Luntz, M. Welsh, and K. Sarabandi | CONTRIBUTED PAPER | New methods for handling and shaping microscale objects such as particles and cells by using electric field-shaping devices are analyzed in this paper; related phenomena and experimental results are discussed.

2110 Prolog, R. O'Donnel

Applications, Architectures, and Protocol Design Issues for Mobile Social Networks: A Survey

By N. Kayastha, D. Niyato, P. Wang, and E. Hossain | CONTRIBUTED PAPER | Mobile social networks that can define behavior of people, devices, and systems are surveyed in this paper. Applications and architectures are discussed as are related literature and research.

2125 Prolog, H. Falk

2082 POINT OF VIEW

The Importance of the New Developments in Antennas for Wireless Communications By K.-M. Luk

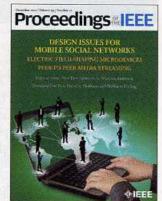
2085 SCANNING THE ISSUE

2159 SCANNING OUR

Huffman Coding: From the Information Theory to Digital World By Z. Bojkovic, B. Bakmaz. and M. Bakmaz

2164 FUTURE SPECIAL ISSUES/SPECIAL SECTIONS

> 2011 INDEX Follows page 2166



On the Cover: This month our cover for this regular papers issue depicts the concept of global mobile social networks by highlighting the paper entitled "Applications, Architectures, and Protocol Design Issues for Mobile Social Networks: A Survey."