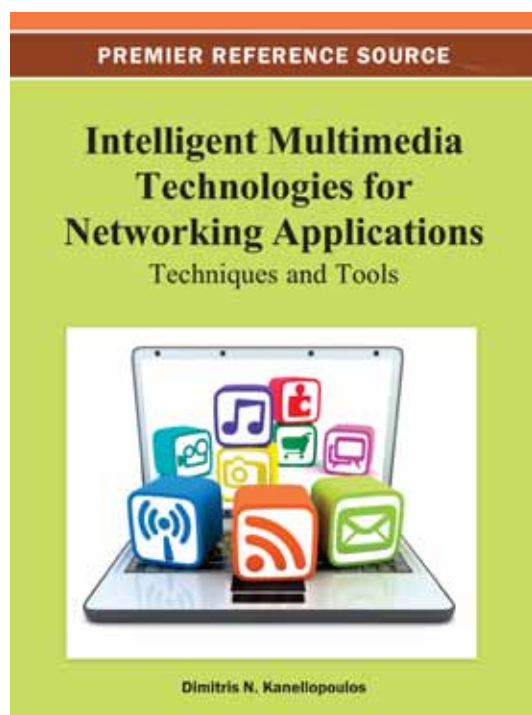


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Intelligent Multimedia Technologies for Networking Applications: Techniques and Tools



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Dimitris Kanellopoulos (University of Patras, Greece)

As ubiquitous multimedia applications benefit from the rapid development of intelligent multimedia technologies, there is an inherent need to present frameworks, techniques and tools that adopt these technologies to a range of networking applications.

Intelligent Multimedia Technologies for Networking Applications: Techniques and Tools promotes the discussion of specific solutions for improving the quality of multimedia experience while investigating issues arising from the deployment of techniques for adaptive video streaming. This reference source provides relevant theoretical frameworks and leading empirical research findings and is suitable for practitioners and researchers in the area of multimedia technology.

Topics Covered:

- Adaptation and Distribution of Personalized Multimedia Content
- Coding Techniques
- Intelligent IPTV Distribution for Smart Phones
- Intra-Refresh Techniques for Mobile Video Streaming
- Multimedia Communications
- Network Coding
- Quality of Experience in Video Streaming
- Video Coding Applications

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.

Dimitris Kanellopoulos is a member of the Educational Software Development Laboratory (ESDLab) in the Department of Mathematics at the University of Patras, Greece. He received a Diploma in Electrical Engineering and a PhD in Computer Science (multimedia communication) from the University of Patras. Since 1990, he was a research assistant in the Department of Electrical and Computer Engineering at the University of Patras and involved in several EU R&D projects. His research interests include: multimedia communication, multimedia networks, intelligent information systems, knowledge representation and e-learning technologies. He has many publications to his credit in international journals and conferences at these areas. He serves as an editorial board member and reviewer in some refereed journals.

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