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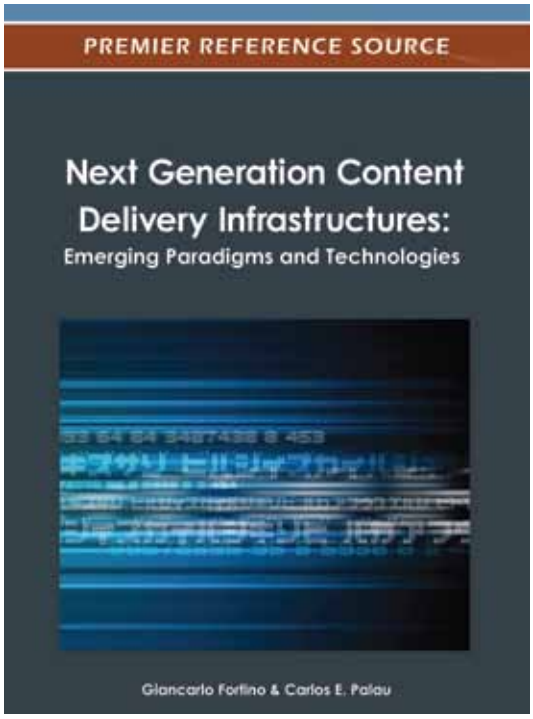
Next Generation Content Delivery Infrastructures: Emerging Paradigms and Technologies



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In the midst of the current computing revolution, users demand ever-enhanced and reliable content delivery networks (CDNs) as a means to access the latest online video, news article, music, and or other information. These delivery networks have the potential to improve users' experiences and decrease network response time, while also allowing content providers to invest in a shared infrastructure at reduced cost.

Next Generation Content Delivery Infrastructures delivers state-of-the-art research on current and future Internet-based content delivery networking topics, bringing to the forefront novel problems that demand investigation. This book opens up new perspectives in Internet technologies, raising new issues in the architecture, design, and implementation of existing CDNs.

Topics Covered:

- GRID-based Content Delivery
- P2P streaming content delivery infrastructures
- Performance monitoring for CDN applications
- Wireless Networks
- Cloud-based Content Networks
- Content Production and Content Outsourcing
- Content delivery and management on the VANET, Manet and Internet
- Content Delivery Networks (CDNS)
- Quality of Service (QoS)
- Grid and High Performancing Computing

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 forclassroom use.

Giancarlo Fortino is an Associate Professor of Computer Engineering at the Department of Electronics, Informatics and Systems (DEIS) of the University of Calabria, Rende, Italy. He received a Laurea degree and a PhD in Computer Engineering from the University of Calabria, in 1995 and 2000, respectively. He has been a visiting researcher at the International Computer Science Institute (ICSI), Berkeley (CA – USA), in 1997 and 1999, and visiting professor at the Queensland University of Technology (QUT), Brisbane, Australia. His research interests include distributed computing and networks, agent systems, agent oriented software engineering, wearable computing, wireless sensor networks, streaming content distribution networks, and workflow management systems. He is author of over 150 papers in international journals, conferences and books. He is active in the organization of int'l conferences and workshops and currently serves in the editorial board of the Journal of Networks and Computer Applications (Elsevier). He is also co-founder and president of SenSysCal S.r.l., a spin-off of University of Calabria, whose mission is the development of innovative systems and services based on wireless sensor networks for health care, energy management and structural health.