

Wiley-IEEE Press Book Series on Network and Service Management

Series Co-editors:
Veli Sahin and Mehmet Ulema

IFIP WG6.6/IEEE CNOM Meeting
4 December 2020

Series Information

Goals

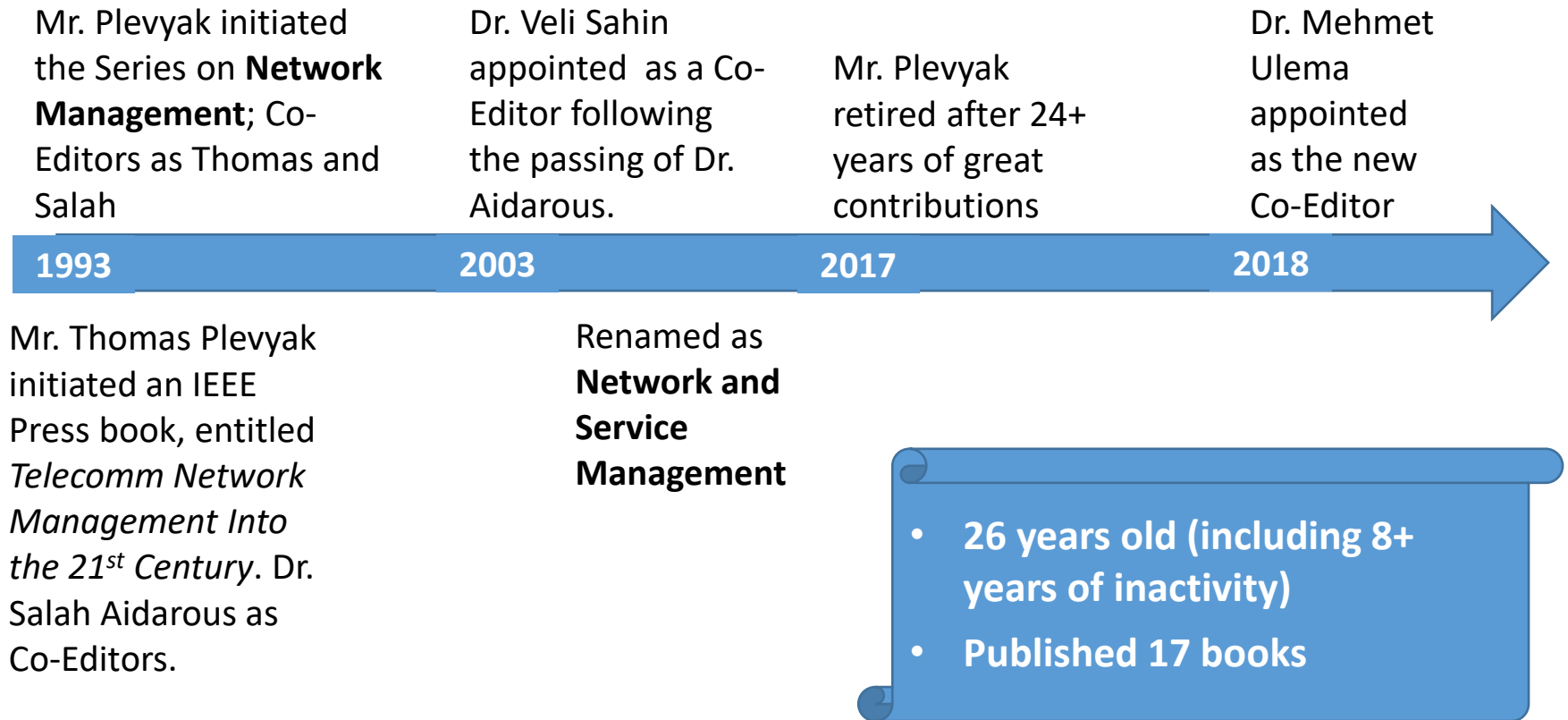
- To publish high-quality technical reference books and textbooks on network and service management for communications and information technology professionals, practitioners, and researchers

Scope

- Fault, Configuration, Accounting, Performance, and Security (FCAPS) management of emerging and traditional wireless and wireline telecommunication and information networks and related services
 - Network and service management principles, paradigms
 - Technologies, implementations, deployment, operations, maintenance
 - Support Systems, tools, techniques, algorithms, and applications in all types of communications and related services

Series Information

Series History



Sponsored by IEEE Communications Society



Series Leadership

Co-Editors of the Series

- ▶ **Dr. Veli Sahin**, Retired Telecom Executive, Verizon, USA
- ▶ **Dr. Mehmet Ulema**, Professor, University of Waterloo, Canada

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- ▶ **Dr. Rolf Stadler**, Professor, KTH Royal Institute of Technology, Sweden

Sample Topics

1. Use of Artificial Intelligence, Machine Learning, Data Mining and (Big) Data Analytics Technologies in Managing Networks and Services.
2. Next Generation Transportations and Delivery: Drones, Robot Taxi and Self/Autonomous Driving
3. Zero-Touch Management, Autonomous Management
4. Management of Emerging Networks and Services: 5G+, Optical Networks, Satellites
5. Management of Edge, Fog and Cloud Computing Networks and Services
6. Management of M2M, Internet of Things (IoT), Hyper Connected Networks and Services
7. Management of Virtualized and Softwarized Networks and Services
8. Management of Smart Homes, Smart Cities, Smart Grid and Services
9. Management of Vehicular Networks and Services
10. Use of Blockchain and Distributed Ledger Technologies in Managing Networks and Services

Published Books

1. *Telecommunications Network Management Into the 21st Century*
Edited by Thomas Plevyak and Salah Aidarous, 1994.
2. *Telecommunications Network Management: Technologies and Implementations*
Edited by Thomas Plevyak and Salah Aidarous, 1998
3. *Fundamentals of Telecommunications Network Management*
Lakshmi Raman, 1999
4. *Security for Telecommunications Management Network*
Moshe Rozenblit, 2000
5. *Integrated Telecommunications Management Solutions*
Graham Chen and Quinzheng Kong, 2000
6. *Managing IP Networks: Challenges and Opportunities*
Thomas Plevyak and Salah Aidarous, 2003
7. *Next-Generation Telecommunications Networks, Services, and Management*
Edited by Thomas Plevyak and Veli Sahin, 2010
8. *Introduction to IT Address Management*
Timothy Rooney, 2011
9. *IP Address Management: Principles and Practices*
Timothy Rooney, 2011

Published Books - II

10. *Telecommunications System Reliability Engineering, Theory and Practice* ,
Mark L. Ayers, 2012
11. *IPv6 Deployment and Management*
Michael Dooley, Timothy Rooney, 2013
12. *Security Management of Next Generation Telecommunications Networks and Services*
Stuart Jacobs, 2014
13. *Cable Networks, Services, and Management*
Mehmet Toy, 2015
14. *Cloud Services, Networking, and Management*
Nelson L.S. da Fonseca, Raouf Boutaba, 2015
15. *DNS Security Management*
Michael Dooley, Timothy Rooney, 2017
16. *Small Cell Networks: Deployment, Management, and Optimization*
Holger Claussen, David Lopez-Perez, Lester Ho, Rouzbeh Razavi, Stepan Kucera, 2017.
17. *Fundamentals of Public Safety Networks and Critical Communications Systems:
Technologies, Deployment, and Management*
Mehmet Ulema, 2019

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Contact Information

Series Co-Editors

- Veli Sahin <veli.sahin53@gmail.com>
- Mehmet Ulema <mehmet.ulema@manhattan.edu>

Series Web Sites:

- <https://turing.manhattan.edu/~mehmet.ulema/i3epress/home.html>
- <https://ieee-press.ieee.org/book-series/ieee-press-series-on-network-and-service-management>