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|-------------------------|---|
| 1. Record Nr.           | UNINA990000606890403321   |
| Autore                  | Franciosi, Claudio  |
| Titolo                  | II CALCOLO AUTOMATICO NELLA VERIFICA DELLE SEZIONI IN CEMENTO ARMATO / FRANCIOSI Claudio - FRANCIOSI Vincenzo |
| Pubbl/distr/stampa      | Napoli : Liguori, 1984  |
| Edizione                | [1 Edz.]  |
| Locazione               | DINSC   |
| Collocazione            | 07 Z-35VF   |
| Lingua di pubblicazione | Italiano  |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
- 
- |                         |  |
|-------------------------|--|
| 2. Record Nr.           | UNINA9910830457203321  |
| Autore                  | Chiang Mung  |
| Titolo                  | Fog for 5G and IoT // edited by Mung Chiang, Bharath Balasubramanian, Flavio Bonomi  |
| Pubbl/distr/stampa      | Hoboken, New Jersey, USA : , : John Wiley & Sons Inc., , 2017<br>[Piscataqay, New Jersey] : , : IEEE Xplore, , [2017]  |
| ISBN                    | 1-119-18717-6<br>1-119-18715-X<br>1-119-18720-6  |
| Edizione                | [1st edition]  |
| Descrizione fisica      | 1 online resource (307 pages) : illustrations  |
| Collana                 | Information and communication technology series  |
| Disciplina              | 004.67/82  |
| Soggetti                | Electronic data processing - Distributed processing<br>Distributed shared memory<br>Storage area networks (Computer networks)<br>Mobile computing<br>Internet of things<br>Cloud computing |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |

-- CONTRIBUTORS xi // Introduction 1 /Bharath Balasubramanian, Mung Chiang, and Flavio Bonomi // 1.1 Summary of Chapters 5 // 1.2 Acknowledgments 7 // References 8 // II COMMUNICATION AND MANAGEMENT OF FOG 11 // 1 ParaDrop: An Edge Computing Platform in Home Gateways 13 /Suman Banerjee, Peng Liu, Ashish Patro, and Dale Willis // 1.1 Introduction 13 // 1.1.1 Enabling Multitenant Wireless Gateways and Applications through ParaDrop 14 // 1.1.2 ParaDrop Capabilities 15 // 1.2 Implementing Services for the ParaDrop Platform 17 // 1.3 Develop Services for ParaDrop 19 // 1.3.1 A Security Camera Service Using ParaDrop 19 // 1.3.2 An Environmental Sensor Service Using ParaDrop 22 // References 23 // 2 Mind Your Own Bandwidth 24 /Carlee Joe-Wong, Sangtae Ha, Zhenming Liu, Felix Ming Fai Wong, and Mung Chiang // 2.1 Introduction 24 // 2.1.1 Leveraging the Fog 25 // 2.1.2 A Home Solution to a Home Problem 25 // 2.2 Related Work 28 // 2.3 Credit Distribution and Optimal Spending 28 // 2.3.1 Credit Distribution 29 // 2.3.2 Optimal Credit Spending 31 // 2.4 An Online Bandwidth Allocation Algorithm 32 // 2.4.1 Estimating Other Gateways' Spending 32 // 2.4.2 Online Spending Decisions and App Prioritization 34 // 2.5 Design and Implementation 35 // 2.5.1 Traffic and Device Classification 37 // 2.5.2 Rate Limiting Engine 37 // 2.5.3 Traffic Prioritization Engine 38 // 2.6 Experimental Results 39 // 2.6.1 Rate Limiting 39 // 2.6.2 Traffic Prioritization 41 // 2.7 Gateway Sharing Results 41 // 2.8 Concluding Remarks 45 // Acknowledgments 46 // Appendix 2.A 46 // 2.A.1 Proof of Lemma 2.1 46 // 2.A.2 Proof of Lemma 2.2 46 // 2.A.3 Proof of Proposition 2.1 47 // 2.A.4 Proof of Proposition 2.2 48 // 2.A.5 Proof of Proposition 2.3 49 // 2.A.6 Proof of Proposition 2.4 49 // References 50 // 3 Socially-Aware Cooperative D2D and D4D Communications toward Fog Networking 52 /Xu Chen, Junshan Zhang, and Satyajayant Misra // 3.1 Introduction 52 // 3.1.1 From Social Trust and Social Reciprocity to D2D Cooperation 54 // 3.1.2 Smart Grid: An IoT Case for Socially-Aware Cooperative D2D and D4D Communications 55 // 3.1.3 Summary of Main Results 57 // 3.2 Related Work 58 // 3.3 System Model 59 // 3.3.1 Physical (Communication) Graph Model 60 // 3.3.2 Social Graph Model 61 // 3.4 Socially-Aware Cooperative D2D and D4D Communications toward Fog Networking 62 // 3.4.1 Social Trust-Based Relay Selection 63 // 3.4.2 Social Reciprocity-Based Relay Selection 63 // 3.4.3 Social Trust and Social Reciprocity-Based Relay Selection 68 // 3.5 Network Assisted Relay Selection Mechanism 69 // 3.5.1 Reciprocal Relay Selection Cycle Finding 69 // 3.5.2 NARS Mechanism 70 // 3.5.3 Properties of NARS Mechanism 73 // 3.6 Simulations 75 // 3.6.1 Erdos / Renyi Social Graph 76 // 3.6.2 Real Trace Based Social Graph 78 // 3.7 Conclusion 82 // Acknowledgments 82 // References 83 // 4 You Deserve Better Properties (From Your Smart Devices) 86 /Steven Y. Ko // 4.1 Why We Need to Provide Better Properties 86 // 4.2 Where We Need to Provide Better Properties 87 // 4.3 What Properties We Need to Provide and How 88 // 4.3.1 Transparency 88 // 4.3.2 Predictable Performance 93 // 4.3.3 Openness 99 // 4.4 Conclusions 102 // Acknowledgment 102 // References 103 // II STORAGE AND COMPUTATION IN FOG 107 // 5 Distributed Caching for Enhancing Communications Efficiency 109 /A. Salman Avestimehr and Andreas F. Molisch // 5.1 Introduction 109 // 5.2 Femtocaching 111 // 5.2.1 System Model 111 // 5.2.2 Adaptive Streaming from Helper Stations 114 // 5.3 User-Caching 115 // 5.3.1 Cluster-Based Caching and D2D Communications 115 // 5.3.2 IT LinQ-Based Caching and Communications 118 // 5.3.3 Coded Multicast 126 // 5.4 Conclusions and Outlook 130 // References 131 // 6 Wireless Video Fog:

Collaborative Live Streaming with Error Recovery	133
/Bo Zhang, Zhi Liu, and S.-H. Gary Chan	
/6.1 Introduction	133
/6.2 Related Work	136
/6.3 System Operation and Network Model	138
/6.4 Problem Formulation and Complexity	140
/6.4.1 NC Packet Selection Optimization	140
/6.4.2 Broadcaster Selection Optimization	143
/6.4.3 Complexity Analysis	144
/6.5 VBCR: A Distributed Heuristic for Live Video with Cooperative Recovery	144
/6.5.1 Initial Information Exchange	145
/6.5.2 Cooperative Recovery	145
/6.5.3 Updated Information Exchange	147
/6.5.4 Video Packet Forwarding	147
/6.6 Illustrative Simulation Results	150
/6.7 Concluding Remarks	156
/References	156
/7 Elastic Mobile Device Clouds: Leveraging Mobile Devices to Provide Cloud Computing Services at the Edge	159
/Karim Habak, Cong Shi, Ellen W. Zegura, Khaled A. Harras, and Mostafa Ammar	
/7.1 Introduction	159
/7.2 Design Space with Examples	161
/7.2.1 Mont-Blanc	162
/7.2.2 Computing while Charging	163
/7.2.3 FemtoCloud	164
/7.2.4 Serendipity	166
/7.3 FemtoCloud Performance Evaluation	168
/7.3.1 Experimental Setup	168
/7.3.2 FemtoCloud Simulation Results	169
/7.3.3 FemtoCloud Prototype Evaluation	173
/7.4 Serendipity Performance Evaluation	175
/7.4.1 Experimental Setup	175
/7.4.2 Serendipity's Performance Benefits	176
/7.4.3 Impact of Network Environment	179
/7.4.4 The Impact of the Job Properties	182
/7.5 Challenges	186
/References	186
/III APPLICATIONS OF FOG	189
/8 The Role of Fog Computing in the Future of the Automobile	191
/Flavio Bonomi, Stefan Poledna, and Wilfried Steiner	
/8.1 Introduction	191
/8.2 Current Automobile Electronic Architectures	193
/8.3 Future Challenges of Automotive E/E Architectures and Solution Strategies	195
/8.4 Future Automobiles as Fog Nodes on Wheels	200
/8.5 Deterministic FOG Nodes on Wheels Through Real-Time Computing and Time-Triggered Technologies	203
/8.5.1 Deterministic Fog Node Addressing the Scalability Challenge through Virtualization	203
/8.5.2 Deterministic Fog Node Addressing the Connectivity and Security Challenges	204
/8.5.3 Emerging Use Case of Deterministic Fog Nodes in Automotive Applications - Vehicle-Wide Virtualization	206
/8.6 Conclusion	209
/References	209
/9 Geographic Addressing for Field Networks	211
/Robert J. Hall	
/9.1 Introduction	211
/9.1.1 Field Networking	211
/9.1.2 Challenges of Field Networking	212
/9.2 Geographic Addressing	214
/9.3 SAGP: Wireless GA in the Field	215
/9.3.1 SAGP Processing	216
/9.3.2 SAGP Retransmission Heuristics	217
/9.3.3 Example of SAGP Packet Propagation	218
/9.3.4 Followcast: Efficient SAGP Streaming	219
/9.3.5 Meeting the Challenges	220
/9.4 Georouting: Extending GA to the Cloud	221
/9.5 SGAF: A Multi-Tiered Architecture for Large-Scale GA	222
/9.5.1 Bridging Between Tiers	223
/9.5.2 Hybrid Security Architecture	225
/9.6 The AT&T Labs Geocast System	225
/9.7 Two GA Applications	226
/9.7.1 PSCommander	226
/9.7.2 Geocast Games	230
/9.8 Conclusions	232
/References	232
/10 Distributed Online Learning and Stream Processing for a Smarter Planet	234
/Deepak S. Turaga and Mihaela van der Schaar	
/10.1 Introduction: Smarter Planet	234
/10.2 Illustrative Problem: Transportation	237
/10.3 Stream Processing Characteristics	238
/10.4 Distributed Stream Processing Systems	239
/10.4.1 State of the Art	239
/10.4.2 Stream Processing Systems	240
/10.5 Distributed Online Learning Frameworks	244
/10.5.1 State of the Art	244
/10.5.2 Systematic Framework for Online Distributed Ensemble Learning	247
/10.5.3 Online Learning of the Aggregation Weights	250
/10.5.4 Collision Detection Application	254
/10.6 What Lies Ahead	257
/Acknowledgment	258
/References	258
/11 Securing the Internet of Things: Need for a New Paradigm	

and Fog Computing 261 / Tao Zhang, Yi Zheng, Raymond Zheng, and Helder Antunes // 11.1 Introduction 261 // 11.2 New IoT Security Challenges That Necessitate Fundamental Changes to the Existing Security / Paradigm 263 // 11.2.1 Many Things Will Have Long Life Spans but Constrained and Difficult-to-Upgrade Resources 264 // 11.2.2 Putting All IoT Devices Inside Firewalled Castles Will Become Infeasible or Impractical 264 // 11.2.3 Mission-Critical Systems Will Demand Minimal-Impact Incident Responses 265 // 11.2.4 The Need to Know the Security Status of a Vast Number of Devices 266 // 11.3 A New Security Paradigm for the Internet of Things 268 // 11.3.1 Help the Less Capable with Fog Computing 269 // 11.3.2 Scale Security Monitoring to Large Number of Devices with Crowd Attestation 272 // 11.3.3 Dynamic Risk / Benefit-Proportional Protection with Adaptive Immune Security 277 // 11.4 Summary 281 // Acknowledgment 281 // References 281 // INDEX 285.

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## Sommario/riassunto

Fog is starting to shape the future of the balance of power in information technology. The book examines how fog will change the information technology industry in the next decade. Along the cloud-to-things continuum, fog distributes the services of computation, communication, control, and storage closer to the edge, access, and users. As a computing and networking architecture, fog enables key applications in wireless 5G, the Internet of things (IoT), and big data. The authors cover the fundamental trade-offs to major applications of fog. The book chapters are designed to motivate a transition from the current cloud architectures to the fog (Chapter 1) and the necessary architectural components to support such a transition (Chapters 2 / 6). The rest of the chapters (Chapters 7 / 11) are dedicated to reviewing various 5G and IoT applications that will benefit from fog networking. This volume is edited by pioneers in fog and includes contributions by active researchers in the field. . Covers fog technologies and describes the interaction between fog and cloud. Presents a view of fog and IoT that combines the aspects of both industry and academia. Discusses the various architectural and design challenges in coordinating the interactions between M2M, D2D, and fog technologies "Fog for 5G and IoT" serves as an introduction to the evolving fog architecture, compiling work from different areas that collectively form this paradigm.

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