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Kişisel Bilgiler

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Araştırma Alanları

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Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Abdullah Gül Üniversitesi, Fen Bilimleri Enstitüsü, Electrical and Computer Engineering, 2019 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **EPIC: Efficient Privacy-Preserving Scheme With EtoE Data Integrity and Authenticity for AMI Networks**
Alsharif A., Nabil M., TONYALI S., Mohammed H., Mahmoud M., Akkaya K.
IEEE INTERNET OF THINGS JOURNAL, cilt.6, sa.2, ss.3309-3321, 2019 (SCI-Expanded)

II. **A realistic performance evaluation of privacy-preserving protocols for smart grid AMI networks**
TONYALI S., Munoz R., Akkaya K., Ozgur U.
JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, cilt.119, ss.24-41, 2018 (SCI-Expanded)

III. **Privacy-Preserving Protocols for Secure and Reliable Data Aggregation in IoT-enabled Smart Metering Systems**
TONYALI S., AKKAYA K., SAPUTRO N., ULUAGAC S., NOJOUMIAN M.
Future Generation Computer Systems-The International Journal Of Grid Computing-Theory Methods And Applications, cilt.78, ss.547-557, 2018 (SCI-Expanded)

IV. **Scalable Certificate Revocation Schemes for Smart Grid AMI Networks Using Bloom Filters**
Rabieh K., Mahmoud M. M. E. A., Akkaya K., TONYALI S.
IEEE TRANSACTIONS ON DEPENDABLE AND SECURE COMPUTING, cilt.14, sa.4, ss.420-432, 2017 (SCI-Expanded)

V. **Secure Data Obfuscation Scheme to Enable Privacy-Preserving State Estimation in Smart Grid AMI Networks**
TONYALI S., Cakmak O., Akkaya K., Mahmoud M. M. E. A., Guvenc I.
IEEE INTERNET OF THINGS JOURNAL, cilt.3, sa.5, ss.709-719, 2016 (SCI-Expanded)

VI. **Customized Certificate Revocation Lists for IEEE 802.11s-Based Smart Grid AMI Networks**
Akkaya K., Rabieh K., Mahmoud M., TONYALI S.
IEEE TRANSACTIONS ON SMART GRID, cilt.6, sa.5, ss.2366-2374, 2015 (SCI-Expanded)

Kitap & Kitap Bölümleri

I. **A Review of Moving Target Defense Mechanisms for Internet of Things Applications**
SAPUTRO N., TONYALI S., AYDEĞER A., AKKAYA K., RAHMAN M., ULUAĞAÇ A. S.
Modeling and Design of Secure Internet of Things, Kamhoua Charles A., Njilla Laurent L., Kott Alexander, Shetty Sachin, Editör, John Wiley Sons, Inc., ss.563-614, 2020

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Real-Time Wall Detection and Coloring in Android Platform**
Nadifi A., Göktaş B., Tonyali S.
International Online Conferences on Engineering and Natural Sciences, Gümüşhane, Türkiye, 05 Temmuz 2021, ss.332

II. **Demonstration of Denial-of-Service Attack on an Internet-of-Things Device**
Tonyali S.
INTERNATIONAL CONFERENCE ON CYBER SECURITY AND DIGITAL FORENSICS (ICONSEC), Yalova, Türkiye, 04 Haziran 2021, ss.28-32

III. **Performing and Mitigating a Distributed Denial of Service Attack**
Şanli Y., Mohmand H., Win L. L., Tonyali S.
International Symposium of Scientific Research and Innovative Studies (ISSRIS), Balıkesir, Türkiye, 22 Şubat 2021, ss.1267-1279

IV. **A scalable protocol stack for IEEE 802.11s-based advanced metering infrastructure networks**
TONYALI S., AKKAYA K.
2018 15th IEEE Annual Consumer Communications Networking Conference (CCNC), Las Vegas, NV, 12 - 15 Ocak 2018

V. **An attribute-based reliable multicast-over-broadcast protocol for firmware updates in smart meter networks**
TONYALI S., AKKAYA K., SAPUTRO N.
2017 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS), Atlanta, GA, 1 - 04 Mayıs 2017

VI. **An Attribute and Network Coding-Based Secure Multicast Protocol for Firmware Updates in Smart Grid AMI Networks**
TONYALI S., AKKAYA K., SAPUTRO N., XIUZHEN C.
2017 26th International Conference on Computer Communication and Networks (ICCCN), Vancouver, BC, Canada, 31 Temmuz - 03 Ağustos 2017

VII. **Efficient Certificate Verification for Vehicle-to-Grid Communications**
SAPUTRO N., TONYALI S., AKKAYA K., CEBE M., MAHMOUD M.
International Conference on Future Network Systems and Security (FNSS), 31 Ağustos - 02 Eylül 2017

VIII. **Performance Analysis of Certificate Renewal Scheme for AMI Networks**
ALSHARIF A., TONYALI S., MAHMOUD M., AKKAYA K., ISMAIL M., SERPEDİN E.
International Workshop on Computer Science and Engineering (WCSE), 25 - 27 Haziran 2017

IX. **Attribute and Network Coding based Secure Multicast Protocol for Firmware Updates in Smart Grid AMI Networks**
TONYALI S., AKKAYA K.
Florida Institute for Cybersecurity - Research Conference on Cybersecurity, 24 - 27 Mart 2017

X. **Testbed and Simulation-based Evaluation of Privacy-preserving Algorithms for Smart Grid AMI Networks**
OZGUR U., TONYALI S., AKKAYA K.
IEEE Conference on Local Computer Networks Workshops (LCN Workshops), 7 - 10 Kasım 2016, ss.181-186

XI. **Efficient Privacy-Preserving Data Collection Scheme for Smart Grid AMI Networks**

MOHAMMED H., TONYALI S., RABIEH K., MAHMOUD M., AKKAYA K.
IEEE Global Communications Conference (GLOBECOM), 4 - 08 Aralık 2016

XII. **An Attribute & Network Coding-based Secure Multicast Protocol for Firmware Updates in Smart Grid AMI Networks**
TONYALI S., Akkaya K., Saputro N., Cheng X.
26th International Conference on Computer Communication and Networks (ICCCN), Vancouver, Kanada, 31 Temmuz - 03 Ağustos 2017

XIII. **Addressing Network Interoperability in Hybrid IEEE 802.11s-LTE Smart Grid Communications**
SAPUTRO N., AKKAYA K., TONYALI S.
IEEE Conference on Local Computer Networks (LCN), 7 - 10 Kasım 2016, ss.623-626

XIV. **Comparative Evaluation of Smart Grid AMI Networks: Performance under Privacy**
OZGUR U., TONYALI S., AKKAYA K., ŞENEL F.
IEEE Symposium on Computers and Communication (ISCC), 27 - 30 Haziran 2016

XV. **A Reliable Data Aggregation Mechanism with Homomorphic Encryption in Smart Grid AMI Networks**
TONYALI S., AKKAYA K., SAPUTRO N., ULUAĞAÇ A. S.
IEEE Annual Consumer Communications Networking Conference (CCNC), 8 - 11 Ocak 2016

XVI. **Assessing the Feasibility of Fully Homomorphic Encryption for Smart Grid AMI Networks**
TONYALI S., SAPUTRO N., AKKAYA K.
International Conference on Ubiquitous and Future Networks, 7 - 10 Temmuz 2015

XVII. **Application of Recently Proposed Metaheuristics to the Sequence Dependent TSP**
TONYALI S., ALKAYA A. F.
International Conference on Computer Science, Applied Mathematics and Applications (ICCSAMA), 11 - 13 Mayıs 2015

XVIII. **An Efficient Certificate Revocation Scheme for Large-scale AMI Networks**
MAHMOUD M., AKKAYA K., RABIEH K., TONYALI S.
IEEE 33rd International Performance Computing and Communications Conference (IPCCC), 5 - 07 Aralık 2014

XIX. **Efficient Generation and Distribution of CRLs for IEEE 802.11s-based Smart Grid AMI Networks**
AKKAYA K., RABIEH K., MAHMOUD M., TONYALI S.
IEEE International Conference on Smart Grid Communications (SmartGridComm), 3 - 06 Kasım 2014, ss.982-988

Metrikler

Yayın: 26
Atıf (WoS): 78
Atıf (Scopus): 105
H-İndeks (WoS): 5
H-İndeks (Scopus): 5