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International Researcher IDs

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Yoksis Researcher ID: 46627

Education Information

Doctorate, Bogazici University, Faculty Of Engineering, Department Of Computer Engıneerıng, Turkey 2001 - 2007

Postgraduate, Bogazici University, Faculty Of Engineering, Department Of Computer Engıneerıng, Turkey 1998 - 2001

Undergraduate, Ege University, Faculty Of Engineering, Bilgisayar Mühendisliği Bölümü, Turkey 1993 - 2001

Biography

Ertan Onur received the BSc degree in computer engineering from Ege University, Izmir, Turkey in 1997, and the MSc and PhD degrees in computer engineering from Bogazici University, Istanbul, Turkey in 2001 and 2007, respectively. After the BSc degree, he worked for LMS Durability Technologies GmbH, Kaiserslautern, Germany. During the MSc and PhD degrees, he worked as a project leader at Global Bilgi, Istanbul and as an R&D project manager at Argela Technologies, Istanbul. He developed and managed many commercial telecommunications applications, and has a patent. After obtaining his PhD degree, he worked as an assistant professor at Delft University of Technology, the Netherlands. From 2014 on, he is with Middle East Technical University, Turkey. He was the editor/convenor of the Personal Networks Group of Ecma International Standardization Body. Dr. Onur's research interests are in the area of computer and wireless networks and their security. He is the founder of the Wireless systems, Networks and Cybersecurity Laboratory (WINS Lab). He is a member of IEEE.

Dissertations

Doctorate, Deployment quality measures in surveillance wireless sensor networks, Boğaziçi Üniversitesi, 2007

Postgraduate, Measurement based replanning of cell capacities in cellular wireless networks, Boğaziçi Üniversitesi, 2001

Research Areas

Computer Sciences, Information Security and Reliability, Computer Networks, Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2020 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2018 - 2020

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2014 - 2018

Assistant Professor, Technische Universiteit Delft, Eemcs, Telekomünikasyon, 2009 - 2013

Academic and Administrative Experience

Faculty Board Member, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, 2024 - Continues

Assistant Director of the Institute, Middle East Technical University, Institute of Applied Mathematics, 2020 - 2021

Courses

NETWORK SECURITY, Postgraduate, 2016 - 2017

WIRELESS COMMUNICATION AND NETWORKS, Postgraduate, 2016 - 2017

DATA COMMUNICATIONS AND NETWORKING, Undergraduate, 2016 - 2017

Advising Theses

Onur E., Betin Onur C., A Password-Authenticated Threshold-based Group Key Agreement Protocol Leveraging Zero-knowledge Proofs, Doctorate, A.KILIÇ(Student), 2024

Onur E., Adses: Anonymous and decentralized secure electionsystem, Postgraduate, E.ÖZTÜRK(Student), 2023

Onur E., A multi-hop routing protocol in tag-to-tag networks of passive tags, Postgraduate, F.MURAT(Student), 2023

Onur E., Preserving privacy with homomorphic encryption in 5G Network Data Analytics Function, Postgraduate, B.ACIR(Student), 2023

ONUR E., Path verification in software-defined networks using programmable data planes, Postgraduate, H.BOSTAN(Student), 2022

ONUR E., Joint virtual machine embedding and wireless data center topology management, Postgraduate, B.BÜTÜN(Student), 2022

ONUR E., SGLC: A logical clock using succinct graphs, Postgraduate, S.ALIYU(Student), 2022

ONUR E., User association and routing in UAV-supported hetnets, Postgraduate, B.TEZERGİL(Student), 2022

ONUR E., Placement of 5G RAN slices in multi-tier open ran 5g networks with flexible functional splits, Postgraduate, E.SARIKAYA(Student), 2021

Onur E., Alemdar H., Balanced Path Generation and Reliability Extension for In-band Network Telemetry, Postgraduate, G.ŞİMŞEK(Student), 2021

Onur E., Network density estimators and density-aware wireless networks, Doctorate, A.EROĞLU(Student), 2020

Onur E., Intra- and inter-cluster link scheduling in ad hoc networks, Doctorate, M.LEVENT(Student), 2020

Onur E., CENK M., A PUF-BASED LIGHTWEIGHT GROUP AUTHENTICATION AND KEY DISTRIBUTION PROTOCOL, Doctorate, H.YILDIZ(Student), 2020

Onur E., Dynamically determining radio access technology for energy efficiency in 5G mobile networks, Postgraduate, A.ÖMER(Student), 2019

ONUR E., A density-aware, energy- and spectrum efficient scheduling model for dynamic networks, Doctorate, S.Mollahasani(Student), 2019

Onur E., A Density-Aware, Energy- and Spectrum-Efficient Scheduling Model for Dynamic networks, Doctorate, S.MOLLAHASANI(Student), 2019

Onur E., An ad hoc networking testbed using software-defined radios, Postgraduate, N.TABRIZI(Student), 2019

ONUR E., Bio-inspired solutions for bandwidth packing, Postgraduate, T.KORUK(Student), 2018

ONUR E., Control and user plane separation in ad-hoc networks, Postgraduate, D.ERGENÇ(Student), 2018

ONUR E., Joint optimization of cell zooming, scheduling and user association, Postgraduate, M.ÇALIK(Student), 2018

ONUR E., Semantic prefetching and caching in 5G, Postgraduate, C.MEHTEROĞLU(Student), 2017

ONUR E., Revisiting Shamir's no-key protocol: a lightweight key transport protocol, Postgraduate, A.Kılıç(Student), 2017

ONUR E., Revisiting Shamir's no-key protocol: A lightweight key transport protocol, Postgraduate, A.KILIÇ(Student), 2017

ONUR E., Design and implementation of a smart greenhouse, Postgraduate, A.ŞİMŞEK(Student), 2017

ONUR E., Autonomous Cooperation in the Internet of Things, Doctorate, Y.Durmus(Student), 2015

ONUR E., OĞUZTÜZÜN M. H. S., Density estimation in large-scale wireless sensor networks, Postgraduate, A.EROĞLU(Student), 2015

ONUR E., Home Networking at 60 GHz, Doctorate, Z.Genç(Student), 2014

ONUR E., Mitigation techniques for the energy hole problem in wireless sensor networks, Postgraduate, I.BOJAXHİU(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

I. **PATS: Let Parties Have a Say in Threshold Group Key Sharing**
KILIÇ A., BETİN ONUR C., ONUR E.
IET Information Security, vol.2024, no.1, 2024 (SCI-Expanded)

II. **Revisiting Slotted ALOHA: Density Adaptation in FANETs**
Eroglu A., Onur E.
WIRELESS PERSONAL COMMUNICATIONS, vol.124, no.2, pp.1711-1740, 2022 (SCI-Expanded)

III. **Wireless Backhaul in 5G and Beyond: Issues, Challenges and Opportunities**
Tezergil B., Onur E.
IEEE Communications Surveys and Tutorials, vol.24, no.4, pp.2579-2632, 2022 (SCI-Expanded)

IV. **Plane-separated routing in ad-hoc networks**
Ergenc D., Onur E.
WIRELESS NETWORKS, vol.28, no.1, pp.331-353, 2022 (SCI-Expanded)

V. **Plgakd: A puf-based lightweight group authentication and key distribution protocol**
YILDIZ H., CENK M., ONUR E.
IEEE Internet of Things Journal, vol.8, no.7, pp.5682-5696, 2021 (SCI-Expanded)

VI. **Intra- and inter-cluster link scheduling in CUPS-based ad hoc networks**
Eksert M. L., Yücel H., Onur E.
Computer Networks, vol.185, 2021 (SCI-Expanded)

VII. **Density-aware mobile networks: Opportunities and challenges**
Mollahasani S., Eroğlu A., Demirkol I., Onur E.
COMPUTER NETWORKS, vol.175, 2020 (SCI-Expanded)

VIII. **Density-aware cellular coverage control: Interference-based density estimation**
Eroğlu A., Yaman O., Onur E.
Computer Networks, vol.165, 2019 (SCI-Expanded)

IX. **Dependability-based clustering in mobile ad-hoc networks**
Ergenç D., Eksert L., Onur E.

Ad Hoc Networks, vol.93, 2019 (SCI-Expanded)

X. **Density-Aware, Energy- and Spectrum-Efficient Small Cell Scheduling**
Mollahasani S., Onur E.
IEEE ACCESS, vol.7, pp.65852-65869, 2019 (SCI-Expanded)

XI. **Service Knowledge Discovery in Smart Machine Networks**
DURMUŞ Y., ONUR E.
WIRELESS PERSONAL COMMUNICATIONS, vol.81, no.4, pp.1455-1480, 2015 (SCI-Expanded)

XII. **Fairness in Wireless Networks: Issues, Measures and Challenges**
Shi H., Prasad R. V., Onur E., Niemegeers I. G. M. M.
IEEE COMMUNICATIONS SURVEYS AND TUTORIALS, vol.16, no.1, pp.5-24, 2014 (SCI-Expanded)

XIII. **An Investigation of Link Quality Assessment for Mobile Multi-hop and Multi-rate Wireless Networks**
Zhou J., Jacobsson M., Onur E., Niemegeers I.
WIRELESS PERSONAL COMMUNICATIONS, vol.65, no.2, pp.405-423, 2012 (SCI-Expanded)

XIV. **60 GHz PHY Performance Evaluation with 3D Ray Tracing under Human Shadowing**
Genc Z., Wim Van Thillo W. V. T., Bourdoux A., ONUR E.
IEEE WIRELESS COMMUNICATIONS LETTERS, vol.1, no.2, pp.117-120, 2012 (SCI-Expanded)

XV. **Cooperative Density Estimation in Random Wireless Ad Hoc Networks**
Onur E., Durmus Y., Niemegeers I.
IEEE COMMUNICATIONS LETTERS, vol.16, no.3, pp.331-333, 2012 (SCI-Expanded)

XVI. **Lifetime extension for surveillance wireless sensor networks with intelligent redeployment**
Kosar R., Bojaxhiu I., Onur E., Ersoy C.
JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, vol.34, no.6, pp.1784-1793, 2011 (SCI-Expanded)

XVII. **Energy-aware routing algorithms for wireless ad hoc networks with heterogeneous power supplies**
Vazifehdan J., Prasad R. V., Onur E., Niemegeers I.
COMPUTER NETWORKS, vol.55, no.15, pp.3256-3274, 2011 (SCI-Expanded)

XVIII. **Collaborative and Cognitive Network Platforms: Vision and Research Challenges**
Onur E., Durmus Y., Hawas M. G., de Groot S. M. H., Niemegeers I. G. M. M.
WIRELESS PERSONAL COMMUNICATIONS, vol.58, no.1, pp.71-93, 2011 (SCI-Expanded)

XIX. **Sector Scanning Attempts for Non-Isolation in Directional 60 GHz Networks**
Olcer G. M., Genc Z., Onur E.
IEEE COMMUNICATIONS LETTERS, vol.14, no.9, pp.845-847, 2010 (SCI-Expanded)

XX. **Users, Economics, Technology: Unavoidable Interdynamics**
Aguiar R. L., Onur E., Skouby K. E., Carmen Aguayo-Torres M., Toftegaard T. S.
WIRELESS PERSONAL COMMUNICATIONS, vol.53, no.3, pp.437-442, 2010 (SCI-Expanded)

XXI. **Cooperative Communications in Future Home Networks**
Genc Z., Rizvi U. H., Onur E., Niemegeers I.
WIRELESS PERSONAL COMMUNICATIONS, vol.53, no.3, pp.349-364, 2010 (SCI-Expanded)

XXII. **Surveillance with wireless sensor networks in obstruction: Breach paths as watershed contours**
Onur E., Ersoy C., Delic H., Akarun L.
COMPUTER NETWORKS, vol.54, no.3, pp.428-441, 2010 (SCI-Expanded)

XXIII. **WAKE-UP RECEIVERS FOR WIRELESS SENSOR NETWORKS: BENEFITS AND CHALLENGES**
Demirkol I., Ersoy C., Onur E.
IEEE WIRELESS COMMUNICATIONS, vol.16, no.4, pp.88-96, 2009 (SCI-Expanded)

XXIV. **Surveillance wireless sensor networks: Deployment quality analysis**
Onur E., Ersoy C., Delic H., Akarun L.
IEEE NETWORK, vol.21, pp.48-53, 2007 (SCI-Expanded)

XXV. **Analysis of target detection probability in randomly deployed sensor networks**
Onur E., Ersoy C., Delic H.
IEEE COMMUNICATIONS LETTERS, vol.11, pp.778-780, 2007 (SCI-Expanded)

XXVI. **How many sensors for an acceptable breach detection probability?**
Onur E., Ersoy C., Delic H.

COMPUTER COMMUNICATIONS, vol.29, pp.173-182, 2006 (SCI-Expanded)

XXVII. **Finding breach paths using the watershed segmentation algorithm in surveillance wireless sensor networks**
Onur E., Ersoy C., Delic H., Akarun L.
COMPUTER AND INFORMATION SCIENCES - ISCIS 2004, PROCEEDINGS, vol.3280, pp.363-372, 2004 (SCI-Expanded)

XXVIII. **Measurement-based replanning of cell capacities in GSM networks**
Onur E., Deliç H., Ersoy C., Çağlayan M. U.
Computer Networks, vol.39, pp.749-767, 2002 (SCI-Expanded)

Articles Published in Other Journals

I. **Mobile tethering: Overview, perspectives and challengess**
Constantinescu M., ONUR E., Durmus Y., Nikou S., de Reuver M., Bouwman H., Djurica M., Glatz P. M.
Info, vol.16, no.3, pp.40-53, 2014 (Scopus)

II. **Quality of deployment in surveillance wireless sensor networks**
Onur E., Ersoy C., Deliç H.
International Journal of Wireless Information Networks, vol.12, pp.61-67, 2005 (ESCI)

Books & Book Chapters

I. **Runtime Adaptability of Ambient Intelligence Systems Based on Component-Oriented Approach**
KAYA M. Ç., EROĞLU A., KARAMANLIOĞLU A., ONUR E., Tekinerdoğan B., DOĞRU A. H.
in: Guide to Ambient Intelligence in the IoT Environment, Mahmood Z., Editor, Springer, Cham, pp.69-92, 2019

II. **Software-Defined Network Security**
Demirpolat A., Ergenç D., Öztürk E., Ayar Y., Onur E.
in: Enabling Technologies and Architectures for Next-Generation Networking Capabilities, Mahmoud Elkhodr, Editor, IGI GLOBAL, New-York, pp.232-253, 2018

III. **Software-Defined Network Security**
DEMİRPOLAT A., ERGENÇ D., ÖZTÜRK E., AYAR Y., ONUR E.
in: Enabling Technologies and Architectures for Next-Generation Networking Capabilities, Mahmoud Elkhodr, Editor, IGI GLOBAL, pp.232-253, 2018

IV. **Runtime Adaptability of Ambient Intelligence Systems Basedon Component-Oriented Approach**
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in: Guide to Ambient Intelligence in the IoT Environment, Mahmood, Zaigham, Editor, SPRINGER, pp.69-92, 2018

V. **Lightweight Cryptography in 5G Machine-type Communication**
Yildiz H., Kiliç A., Onur E.
in: Networks of the Future: Architectures, Technologies, and Implementations, Mahmoud Elkhodr,Qusay F. Hassan,Seyed Shahrestani, Editor, CRC, New York , Florida, pp.127-144, 2017

VI. **Simulators, Test Beds and Prototypes of 5G mobile Networking Architectures**
MOLLAHASANİ S., EROĞLU A., YAMAÇ Ö., ONUR E.
in: Networks of the Future: Architectures, Technologies, and Implementations, Mahmoud Elkhodr, Qusay F. Hassan, Seyed Shahrestani, Editor, CRC Press, Florida, pp.185-200, 2017

Refereed Congress / Symposium Publications in Proceedings

I. **Evaluating Open-Source 5G SA Testbeds: Unveiling Performance Disparities in RAN Scenarios**
Rouili M., Saha N., Golkarifard M., Zangooei M., Boutaba R., Onur E., Saleh A.

2024 IEEE/IFIP Network Operations and Management Symposium, NOMS 2024, Seoul, South Korea, 6 - 10 May 2024

II. **Privacy-Preserving User Abnormal Behavior Detection in 5G Networks**
Acir B., Onur E., Boutaba R.
2023 IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2023, İstanbul, Turkey, 4 - 07 July 2023, pp.167-172

III. **A Multi-Hop Routing Protocol in Backscattering Tag-To-Tag Networks**
Murat F., Eroglu A., Onur E.
2023 IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2023, İstanbul, Turkey, 4 - 07 July 2023, pp.277-282

IV. **Finding Islands on Encrypted Graphs Sifreli Çizgelerde Adalari Bulma**
Acir B., Onur E., Onur C. B.
31st IEEE Conference on Signal Processing and Communications Applications, SIU 2023, İstanbul, Turkey, 5 - 08 July 2023

V. **SGLC: A Logical Clock Using Succinct Graphs Öz Çizge Gösterimleri ile Bir Mantiksal Saat**
Sokoto S., ONUR E.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022

VI. **Performance of Graph-based Zero-knowledge Proofs Çizge Bazli Sifir Bilgi Ispati Yöntemlerinin Başarimi**
Gercel D., Kayabas H., EKMEKCİ K., Onur C. B., ONUR E.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022

VII. **Efficient Network Monitoring via In-band Telemetry**
Simsek G., Ergenc D., ONUR E.
17th International Conference on the Design of Reliable Communication Networks, DRCN 2021, Milan, Italy, 19 - 22 April 2021

VIII. **Max-Min Fair Bandwidth Allocation in Millimeter-Wave Radio Clusters**
Alemdar I. Z., ONUR E.
17th International Conference on Network and Service Management, CNSM 2021, Virtual, Online, Turkey, 25 - 29 October 2021, pp.77-83

IX. **Joint Virtual Machine Embedding and Wireless Data Center Topology Management**
Butun B., ONUR E.
17th International Conference on Network and Service Management, CNSM 2021, Virtual, Online, Turkey, 25 - 29 October 2021, pp.63-69

X. **Placement of 5G RAN Slices in Multi-tier O-RAN 5G Networks with Flexible Functional Splits**
Sarikaya E., ONUR E.
17th International Conference on Network and Service Management (CNSM) - Smart Management for Future Networks and Services, ELECTR NETWORK, 25 - 29 October 2021, pp.274-282

XI. **Caching Video on Demand in Radio Clusters**
MURAT F., ONUR E.
17th International Conference on Network and Service Management, CNSM 2021, Virtual, Online, Turkey, 25 - 29 October 2021, pp.249-253

XII. **DroPPPP: A P4 Approach to Mitigating DoS Attacks in SDN**
Simsek G., BOSTAN H., Sarica A. K., Sarikaya E., KELEŞ A., ANGIN P., ALEMDAR H., ONUR E.
20th World Conference on Information Security Applications, WISA 2019, Jeju Island, South Korea, 21 - 24 August 2019, pp.55-66

XIII. **Covert Channel Detection Using Machine Learning**
Cavusoglu I. G., ALEMDAR H., ONUR E.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020

XIV. **Multi-Connectivity Enabled User Association**
Simsek G., Alemdar H., Onur E.
30th IEEE Annual International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC 2019,
İstanbul, Turkey, 8 - 11 September 2019

XV. **Poster Abstract: iSDR: SDR-in-the-loop Simulation**
Ergenc D., Onur E.
IEEE Conference on Computer Communications (IEEE INFOCOM), Paris, France, 29 April - 02 May 2019, pp.1037-
1038

XVI. **Yoğunluk Uyarlı Gelecek Nesil Ağlarda Fırsatlar ve Zorluklar**
EROĞLU A., ONUR E.
TBD 35. Ulusal Bilisim Kurultayi - TBD 35th National Informatics Congress, Ankara, Turkey, 21 November 2018,
pp.124-130

XVII. **Cross-layer Stack Design Framework in OMNeT**
ERGENÇ D., ONUR E.
Proceedings of the 5th International OMNeT Community Summit, Pisa, Italy, 5 - 07 September 2018

XVIII. **Density-Aware Probabilistic Clustering in Ad Hoc Networks**
Ergenç D., Eksert L., Onur E.
2018 IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2018, Batumi,
Georgia, 4 - 07 June 2018

XIX. **Density-aware power allocation in mobile networks using edge computing**
MOLLAHASANİ S., ONUR E.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May
2018, pp.1-4

XX. **A software-defined network based lightweight cluster Yazilim-tanimli ağ destekli hafif siklet bir
küme**
KARA C., ONUR E.
26th IEEE Signal Processing and Communications Applications Conference, SIU 2018, İzmir, Turkey, 2 - 05 May
2018, pp.1-4

XXI. **Density-aware Joint Optimization of Cell Scheduling and User Association**
ÇALIK M., MOLLAHASANİ S., ONUR E.
IEEE WCNC FLEXNETS 2018, Barselona, Spain, 15 April 2018

XXII. **Revisiting Shamir's no-key protocol: Lightweight key transport**
KILIÇ A., ONUR E., Onur C. B.
15th IEEE International Conference on Dependable, Autonomic and Secure Computing, 2017 IEEE 15th
International Conference on Pervasive Intelligence and Computing, 2017 IEEE 3rd International Conference on Big
Data Intelligence and Computing and 2017 IEEE Cyber Science and Technology Congress, DASC-PICom-DataCom-
CyberSciTec 2017, Florida, United States Of America, 6 - 11 November 2017, pp.573-580

XXIII. **Density-aware outage in clustered Ad Hoc networks**
EROĞLU A., ONUR E., Turan M.
9th IFIP International Conference on New Technologies, Mobility and Security, NTMS 2018, Paris, France, 26 - 28
February 2018, pp.1-5

XXIV. **Density-aware cell zooming**
YAMAN O., EROĞLU A., ONUR E.
21st International Conference on Innovation in Clouds, Internet and Networks, ICIN 2018, Paris, France, 19 - 22
February 2018, pp.1-8

XXV. **A Software-defined Network Based Lightweight Cluster**
Kara C., ONUR E.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018

XXVI. **Revisiting Shamir'xxs No-key Protocol: Lightweight Key Transport**
KILIÇ A., BETİN C., ONUR E.
15th IEEE International Conference on Dependable, Autonomic and Secure Computing (DASC), Orlando, 9 - 10

November 2017

XXVII. **Bio-inspired bandwidth packing**
KORUK T., ONUR E.
14th IEEE Annual Consumer Communications and Networking Conference, CCNC 2017, Nevada, United States Of America, 8 - 11 January 2017, pp.1-4

XXVIII. **Semantic Edge Caching and Prefetching in 5G**
MEHTEROĞLU C., DURMUŞ Y., ONUR E.
14th IEEE Annual Consumer Communications and Networking Conference (CCNC), Nevada, United States Of America, 8 - 11 January 2017, pp.692-695

XXIX. **Evaluation of Terahertz Channel in Data Centers**
MOLLAHASANİ S., ONUR E.
IEEE/IFIP Network Operations and Management Symposium (NOMS), İstanbul, Turkey, 25 - 29 April 2016, pp.727-730

XXX. **Security Attacks and Countermeasures in Surveillance Wireless Sensor Networks**
Sert S. A., Onur E., Yazici A.
9th International Conference of Information and Communiation Technologies (AICT), Rostov-on-Don, Russia, 14 - 16 October 2015, pp.201-205

XXXI. **Estimating Density of Wireless Networks in Practice**
Eroglu A., Onur E., Oguztuzun H.
26th IEEE Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC), Hong Kong, PEOPLES R CHINA, 30 August - 02 September 2015, pp.1476-1480

XXXII. **Sybil-Resistant Meta Strategies for the Forwarder's Dilemma**
Durmus Y., Loukas A., Langendoen K., ONUR E.
8th IEEE International Conference on Self-Adaptive and Self-Organizing Systems (SASO), London, Canada, 8 - 12 September 2014, pp.90-99

XXXIII. **Realistic Simulation of IEEE 802.11p Channel in Mobile Vehicle to Vehicle Communication**
Islam T., Hu Y., Onur E., Boltjes B., De Jongh J. F. C. M.
13th Conference on Microwave Techniques (COMITE), Pardubice, Czech Republic, 17 - 18 April 2013, pp.156-161

XXXIV. **Imitation as the Simplest Strategy for Cooperation**
Durmus Y., Onur E.
IEEE 23rd International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), Sydney, Australia, 9 - 12 September 2012, pp.863-869

XXXV. **Event-driven MAC Protocol For Dual-Radio Cooperation**
Khatibi A., Durmus Y., Onur E., Niemegeers I.
76th IEEE Vehicular Technology Conference (VTC Fall), Quebec City, Canada, 3 - 06 September 2012

XXXVI. **Smart Neighbor Scanning with Directional Antennas in 60 GHz Indoor Networks**
Olcer G. M., Genc Z., Onur E.
21st Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC), İstanbul, Turkey, 26 - 30 September 2010, pp.2393-2398

XXXVII. **On the Smoothing Factor for Rate Adaptation in IEEE 802.11b/g Mobile Multi-Hop Networks**
Zhou J., Onur E., Jacobsson M., Niemegeers I.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Turkey, 9 - 11 April 2009, pp.487-490

XXXVIII. **Intelligent end-to-end resource virtualization using Service Oriented Architecture**
Onur E., Sfakianakis E., Papagianni C., Karagiannis G., Kontos T., Niemegeers I., Chochliouros I. P., de Groot S. H., Sjodin P., Hidell M., et al.
IEEE Globecom Workshops (Gc Workshops 2009), Hawaii, United States Of America, 30 November - 04 December 2009, pp.345-346

XXXIX. **A Novel Link Quality Assessment Method for Mobile Multi-Rate Multi-Hop Wireless Networks**
Zhou J., Jacobsson M., Onur E., Niemegeers I.
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XL. **Temporal resilience of deployment quality in surveillance wireless sensor networks**
Onur E., Ersoy C., Delic H.
IEEE Wireless Communications and Networking Conference, Nevada, United States Of America, 31 March - 03 April 2008, pp.3291-3292

XLI. **Wireless sensor networks for security: Issues and challenges**
Onel T., Onur E., Ersoy C., Delic H.
Conference of the NATO Advanced-Study-Institute on Advances in Sensing with Security Applications, Il Ciocco, Italy, 01 July 2005, vol.2, pp.95-99

XLII. **Coverage in Sensor Networks When Obstacles Are Present**
Onur E., Ersoy C., Delic H., Akarun L.
IEEE International Conference on Communications (ICC 2006), İstanbul, Turkey, 11 - 15 June 2006, pp.4077-4082

XLIII. **On the quality of deployment in wireless sensor networks**
Onur E., Ersoy C., Delic H.
8th International Conference on Telecommunications (ConTEL 2005), Zagreb, Croatia, 15 - 17 June 2005, pp.547-551

XLIV. **Finding sensing coverage and breach paths in surveillance wireless sensor networks**
ONUR E., Ersoy C., Delic H.
15th IEEE International Symposium on Personal, Indoor, Mobile, Radio Communications (PIMRC 2004), Barcelona, Spain, 5 - 08 September 2004, pp.984-988

XLV. **Finding sensing coverage and breach paths in wireless sensor networks**
Onur E., Ersoy C., Delic H.
IEEE 12th Signal Processing and Communications Applications Conference, Kusadasi, Turkey, 28 - 30 April 2004, pp.692-695

XLVI. **Measurement-based replanning of GSM cell capacities considering retrials, redials and hand-offs**
Onur E., Delic H., Ersoy C., Caglayan M.
IEEE International Conference on Communications, New York, United States Of America, 28 April - 02 May 2002, pp.3361-3365

XLVII. **On the retrial and redial phenomena in GSM networks**
Onur E., Delic H., Ersoy C., Caglayan M.
IEEE Wireless Communications and Networking Conference, Illinois, United States Of America, 23 - 28 September 2000, pp.885-889

Supported Projects

Onur E., Project Supported by Public Organizations in Other Countries, An Open-source Software Framework for Teaching and Experimenting Distributed Algorithms on Wireless Networks (AHC), 2022 - 2023

Onur E., Technopark, Yazılım Tabanlı Hash Based Anahtarlama, 2018 - 2020

Onur E., Project Supported by Other Private Institutions, 5G Radyo Kaynak Atama Stratejileri, 2019 - 2019

Onur E., Project Supported by Other Private Institutions, Mobil Haberleşme Hücresel Ağ Bileşenleri Geliştirilmesi, 2018 - 2019

ONUR E., Project Supported by Higher Education Institutions, Heterojen Nesnelerin İnternet'i için Uygulama Geliştirme Platformu, 2014 - 2019

Onur E., Project Supported by Other Official Institutions, Farklı Güvenlik Seviyesine Sahip Ağlar Arasında Güvenli Veri Akışı, 2018 - 2018

Onur E., Project Supported by Other Official Institutions, GENİŞ BANT DALGAŞEKLİ İÇİN KATMANLAR ARASI ENİYİLEME TEMELLİ ÖBEKLEME PROJESİ, 2017 - 2018

ONUR E., TUBITAK Project, Yoğunluk-Uyarlı Kablosuz Şebekeler (Dawn), 2016 - 2018

ONUR E., TUBITAK Project, Bilici Makine Olarak İnternet, 2015 - 2017

ONUR E., TUBITAK Project, 115C064 Bilici Makine Olarak lnternet Internet as the Oracle, 2015 - 2017

Tasks In Event Organizations

Onur E., Workshop on Flexible and Agile Networks: 5G and Beyond (FlexNets) , Workshop Organization, Paris, France, Nisan 2019

Akar G., Gökler M. İ., Ertekin Bolelli Ş., Eren P. E., Erkmen A. M., Gürel S., Onur E., Erdil E., Özgit A., Koçyiğit A., et al., International Conference & Exhibition on DIGITAL TRANSFORMATION & SMART SYSTEMS, Scientific Congress, Ankara, Turkey, Ekim 2018

Onur E., THE SECOND WORKSHOP ON FLEXIBLE AND AGILE NETWORKS (FLEXNETS), Workshop Organization, Barcelona, Spain, Nisan 2018

Scientific Research / Working Group Memberships

Wıreless Systems, Networks And Cybersecurity (Wıns) Lab, Middle East Technical University, Turkey, https://wins.ceng.metu.edu.tr, 2016 - Continues

Mobility Activity

Research Scholarship Program, Scientific Research, State University of New York at Stony Brook, United States Of America, 2020 - 2020

Metrics

Publication: 84
Citation (WoS): 894
Citation (Scopus): 1544
H-Index (WoS): 13
H-Index (Scopus): 16

Scholarships

2219, TUBITAK, 2022 - 2023
Visiting Scholar Program, Fulbright Program, 2019 - 2020

Non Academic Experience

ARGELA TECHNOLOGIES
GLOBAL BİLGİ
LMS DURABILITY TECHNOLOGIES, ALMANYA