

Gunasekaran Raja

Associate Professor, Anna University

<u>TITLE</u>	<u>CITED BY</u>	YEAR
<u>Energy-Efficient End-to-End Security for Software Defined Vehicular Networks</u> G Raja, S Anbalagan, G Vijayaraghavan, P Dhanasekaran, YD Al-Otaibi, ... IEEE Transactions on Industrial Informatics		2020
<u>SDN-enabled Traffic Alert System for IoV in Smart Cities</u> G Raja, P Dhanasekaran, S Anbalagan, A Ganapathisubramaniyan, ... IEEE INFOCOM 2020-IEEE Conference on Computer Communications Workshops ...		2020
<u>AI-Powered Blockchain-A Decentralized Secure Multiparty Computation Protocol for IoV</u> G Raja, Y Manaswini, GD Vivekanandan, H Sampath, K Dev, AK Bashir IEEE INFOCOM 2020-IEEE Conference on Computer Communications Workshops ...		2020
<u>SDN-assisted efficient LTE-WiFi aggregation in next generation IoT networks</u> S Anbalagan, D Kumar, G Raja, W Ejaz, AK Bashir Future Generation Computer Systems 107, 898-908	<u>14</u>	2020
<u>Intelligent Reward-Based Data Offloading in Next-Generation Vehicular Networks</u> G Raja, A Ganapathisubramaniyan, S Anbalagan, SBM Baskaran, K Raja, ... IEEE Internet of Things Journal 7 (5), 3747-3758	<u>6</u>	2020
<u>A novel spectrum sharing scheme using dynamic Long Short-Term Memory with CP-OFDMA in 5G networks</u> S Jacob, VG Menon, S Joseph, PG Vinoj, A Jolfaei, J Lukose, G Raja IEEE Transactions on Cognitive Communications and Networking	<u>11</u>	2020
<u>Investigation on optimisation, prioritising and weight allocation techniques for load balancing and controlling multimedia traffic in wireless mesh network</u> GP Raja, S Mangai International Journal of Business Information Systems 33 (2), 250-266	<u>3</u>	2020
<u>TLS Cipher Suite: Secure Communication of 6LoWPAN Devices</u>		2019

<u>TITLE</u>	<u>CITED BY</u>	YEAR
R Narayanan, S Jayashree, ND Philips, AM Saranya, SB Prathiba, G Raja 2019 11th International Conference on Advanced Computing (ICoAC), 197-203		
<u>Controlling Data Congestion by Efficient Backpressure Routing Algorithm in V2V Communication for Autonomous Vehicles</u>		2019
K Gupta, SB Prathiba, G Raja 2019 11th International Conference on Advanced Computing (ICoAC), 204-211		
<u>Securing Data Transmission against Multi Cell MIMO Eavesdropper in 5G Wireless Networks using MOSPR</u>		2019
S Nirupama, R Harini, K Akshaya, B Devipriya, SB Prathiba, G Raja 2019 11th International Conference on Advanced Computing (ICoAC), 232-237		
<u>IoTexpert: Interconnection, Interoperability and Integration of IoT Platforms</u>		2019
V Geetanjali, I Subramanian, G Kannan, SB Prathiba, G Raja 2019 11th International Conference on Advanced Computing (ICoAC), 212-219		
<u>special issue on “Evolution of information and communication technology towards 5G: New Emerging Areas, technologies, protocols, and applications”</u>		2019
G Raja, AK Bashir, A Al-Dulaimi, TS Somasundaram, S Mumtaz Digital Communications and Networks 5 (4), 266-267		
<u>SDN assisted Stackelberg Game model for LTE-WiFi offloading in 5G networks</u>	<u>3</u>	2019
S Anbalagan, D Kumar, G Raja, A Balaji Digital Communications and Networks 5 (4), 268-275		
<u>Channel assignment based coding mechanism for reliable transmission for smart cities</u>	<u>1</u>	2019
R Jayaraman, G Raja Cluster Computing 22 (6), 13055-13065		
<u>A Quantum-Safe Key Hierarchy and Dynamic Security Association for LTE/SAE in 5G Scenario</u>	<u>5</u>	2019
R Arul, G Raja, AO Almagrabi, MS Alkatheiri, SH Chauhdary, AK Bashir IEEE Transactions on Industrial Informatics 16 (1), 681-690		
<u>AECC: An Enhanced Public Key Cryptosystem for User Defined Messages</u>	<u>1</u>	2019

<u>TITLE</u>	<u>CITED BY</u>	YEAR
S Anand, G Raja, A Ganapathisubramaniyan 2019 IEEE 10th Annual Ubiquitous Computing, Electronics & Mobile ...		
<u>Inter-UAV Collision Avoidance using Deep-Q-Learning in Flocking Environment</u>		2019
G Raja, S Anbalagan, VS Narayanan, S Jayaram, ... 2019 IEEE 10th Annual Ubiquitous Computing, Electronics & Mobile ...		
<u>Mirage: A Protocol for Decentralized and Secured Communication of IoT Devices</u>		2019
S Anand, G Raja, G Anand, SH Chauhdary, AK Bashir 2019 IEEE 10th Annual Ubiquitous Computing, Electronics & Mobile ...		
<u>SAFER: Crowdsourcing Based Disaster Monitoring System Using Software Defined Fog Computing</u>	<u>3</u>	2019
G Raja, A Thomas Mobile Networks and Applications 24 (5), 1414-1424		
<u>Firefly load balancing based energy optimized routing for multimedia data delivery in wireless mesh network</u>	<u>6</u>	2019
GP Raja, S Mangai Cluster Computing 22 (5), 12077-12090		
<u>Design of Cascade Control Structure for Stable Processes using Method of Moments</u>	<u>1</u>	2019
GL Raja, A Ali 2019 2nd International Conference on Power and Embedded Drive Control ...		
<u>An optimal multitier resource allocation of cloud RAN in 5G using machine learning</u>	<u>14</u>	2019
AK Bashir, R Arul, S Basheer, G Raja, R Jayaraman, NMF Qureshi Transactions on Emerging Telecommunications Technologies 30 (8), e3627		
<u>FINDER: A D2D based critical communications framework for disaster management in 5G</u>	<u>13</u>	2019
A Thomas, G Raja Peer-to-Peer Networking and Applications 12 (4), 912-923		
<u>Secured LTE-Wi-Fi Offloading Using RTT Based Evading Malicious Access Point (EMAP) Algorithm</u>	<u>1</u>	2019
G Raja, A Ganapathisubramaniyan, GI Sethuraman, SH Chauhdary, ...		

<u>TITLE</u>	<u>CITED BY</u>	YEAR
2019 IEEE 4th International Conference on Computer and Communication Systems ...		
<u>User Activity Analysis Driven Anomaly Detection in Cellular Network</u>		2018
S Swarnalaxmi, I Elakkiya, M Thilagavathi, A Thomas, G Raja		
2018 Tenth International Conference on Advanced Computing (ICoAC), 159-163		
<u>Effective Cryptography Mechanism for Enhancing Security in Smart Key System</u>		2018
MS Selvakumar, R Purushothkumar, A Ramakrishnan, G Raja		
2018 Tenth International Conference on Advanced Computing (ICoAC), 190-195		
<u>Cognitive Intelligent Transportation System for Smart Cities</u>		2018
G Raja, A Ganapathisubramaniyan, MS Selvakumar, T Ayyarappan, ...		
2018 Tenth International Conference on Advanced Computing (ICoAC), 146-152		
<u>Leaky Bucket based congestion control in Wireless Sensor Networks</u>		2018
J Srinivas, Y Gowtham, SS Amith, K Chaitanya, R Archana, G Raja		
2018 Tenth International Conference on Advanced Computing (ICoAC), 172-174		
<u>Intrusion Detector for Blockchain based IoT Networks</u>	<u>2</u>	2018
G Raja, A Ganapathisubramaniyan, G Anand		
2018 Tenth International Conference on Advanced Computing (ICoAC), 328-332		
<u>Mobility Management for Critical Time and Delay Tolerant Applications in Vehicular Networks</u>		2018
GG Rose, R Gunasekaran, G Aishwarya		
2018 Tenth International Conference on Advanced Computing (ICoAC), 344-348		
<u>Quality of service provisioning for heterogeneous services in cognitive radio-enabled Internet of Things</u>	<u>17</u>	2018
A Ali, L Feng, AK Bashir, SHA El-Sappagh, SH Ahmed, M Iqbal, G Raja		
IEEE Transactions on Network Science and Engineering		
<u>Interference mitigation based on radio aware channel assignment for wireless mesh networks</u>	<u>6</u>	2018
R Jayaraman, G Raja, AK Bashir, CS Hussain, A Hassan, MA Alqarni		
Wireless Personal Communications 101 (3), 1539-1557		

<u>TITLE</u>	<u>CITED BY</u>	YEAR
A console GRID leveraged authentication and key agreement mechanism for LTE/SAE R Arul, G Raja, AK Bashir, J Chaudry, A Ali IEEE Transactions on Industrial Informatics 14 (6), 2677-2689	<u>15</u>	2018
The Future Usage of Smart Phones R Arul, G Raja, S Anbalagan, D Kumar, AK Bashir Future 2017		2018
Enhanced Cascade Control Strategies for Unstable and Integrating Processes GL Raja IIT Patna		2018
A Lightweight Incognito Key Exchange Mechanism for LTE-A Assisted D2D Communication SBM Baskaran, G Raja 2017 Ninth International Conference on Advanced Computing (ICoAC), 301-307	<u>2</u>	2017
QoS-aware frequency based 4G+ relative authentication model for LTE and LTE-dependent future generation networks SBM Bhaskaran, G Raja, AK Bashir, M Murata IEEE Access 5, 21977-21991	<u>5</u>	2017
QoS-aware frequency-based 4G+ relative authentication model for next generation LTE and its dependent public safety networks SBM Baskaran, G Raja, AK Bashir, M Murata IEEE Access 5, 21977-21991	<u>13</u>	2017
SDN assisted middlebox synchronization mechanism for next generation mobile data management system G Raja, K Kottursamy, SH Chaudhary, A Hassan, M Alqarni 2017 IEEE SmartWorld, Ubiquitous Intelligence & Computing, Advanced ...	<u>3</u>	2017
A compatibility vector technique for cooperative scheduling and channel assignment algorithm in broadband wireless networks R Jayaraman, G Raja, D Ghosal, R Arul Mobile Networks and Applications 22 (4), 730-742	<u>2</u>	2017

<u>TITLE</u>	<u>CITED BY</u>	YEAR
<u>SDN-assisted learning approach for data offloading in 5G HetNets</u> S Anbalagan, D Kumar, D Ghosal, G Raja, V Muthuvalliammai Mobile Networks and Applications 22 (4), 771-782	<u>12</u>	2017
<u>User path prediction based key caching and authentication mechanism for broadband wireless networks</u> R Arul, G Raja, K Kottursamy, P Sathiyarayanan, S Venkatraman Wireless Personal Communications 94 (4), 2645-2664	<u>6</u>	2017
<u>SDN Assisted Middlebox Synchronization Mechanism for Next Generation Mobile Data Management System</u> R Gunasekaran, K Kottilingam 14th IEEE International Conference on Advanced and Trusted Computing, 1502 ...		2017
<u>Simple & Secure Mechanism for establishing connection between D2D Communication in 5G Scenario</u> A Rajakumar, R Gunasekaran, J Ramkumar International Journal of Engineering Research in Computer Scien 4 (8), 173-178		2017
<u>An improved database synchronization mechanism for mobile data using software-defined networking control</u> K Kottursamy, G Raja, J Padmanabhan, V Srinivasan Computers & Electrical Engineering 57, 93-103	<u>9</u>	2017
<u>Blind key distribution mechanism to secure wireless metropolitan area network</u> SBM Baskaran, G Raja CSI transactions on ICT 4 (2-4), 157-163	<u>9</u>	2016
<u>Reduced overhead frequent user authentication in EAP-dependent broadband wireless networks</u> G Raja, SBM Baskaran, D Ghosal, J Padmanabhan Mobile Networks and Applications 21 (3), 523-538	<u>9</u>	2016
<u>Network Coding with Buffer Scheme in Multicast for Broadband Wireless Network</u> G Raja, R Jayaraman, R Arul, K Kottursamy International Journal of Electronics and Communication Engineering 10 (6 ...		2016

<u>TITLE</u>	<u>CITED BY</u>	YEAR
<u>Cooperative Cross Layer Topology for Concurrent Transmission Scheduling Scheme in Broadband Wireless Networks</u> G Raja, R Jayaraman International Journal of Computer and Information Engineering 10 (6), 1000-1009		2016
<u>Novel Key Management Scheme to Minimize Handoff Latency in IEEE 802.16 m Networks</u> R Kathirolu, D Arivudainambi, R Gunasekaran, P Jayashree, R Aarthi, ... National Academy Science Letters 39 (1), 29-33		2016
<u>Fault-tolerant Interworking Authentication Model for Non 3GPP – 3GPP Access</u> SBM Baskaran, G Raja, R Jayaraman, A Arulappan, R Arul, K Kottursamy International Conference on Innovations in Engineering and Technology, 75-82		2016
<u>BAY- RACE: Bayesian-Resource Allocation Conditional Entities algorithm under uncertainty in distributed WMN</u> R Jayaraman, G Raja, R Arul, SBM Baskaran, A Arulppan, K Kottursamy International Conference on Innovations in Engineering and Technology, 66 - 74		2016
<u>Sensor-to-Vehicle Communication by using VANETs for Urban Parking</u> A Arulappan, G Raja, SBM Baskaran, R Arul, K Kottursamy, R Jayaraman, ... International Conference on Innovations in Engineering and Technology - ICET ...		2016
<u>A data activity-based server-side cache replacement for mobile devices</u> K Kottursamy, G Raja, K Saranya Artificial Intelligence and Evolutionary Computations in Engineering Systems ...	4	2016
<u>An efficient handover prediction & initiation algorithm for vehicular communication in 4G wireless networks</u> R Gunasekaran, A Rajakumar, K Raja, J Ramkumar, SKS Kumar, ... Lecture Notes on Information Theory Vol 2 (2)	5	2014
<u>BISYNC-Binary xml based data synchronization for mobile devices</u> G Praveen, K Kottilingam, R Gunasekaran International Journal of Advanced Computational Engineering and Networking 2 ...		2014
<u>A Survey on Scheduling Mechanisms in Broadband Wireless Networks</u>		2014

<u>TITLE</u>	<u>CITED</u> <u>BY</u>	YEAR
--------------	---------------------------	------

J Ramkumar, R Gunasekaran, A Rajakumar, K Raja, S Sheeba

Lecture Notes on Information Theory 2 (3), 214 – 219