Dr.G.KANNAN

Associate Professor

Dept of ECE

B.S.Abdur Rahman Crescent Institute of Science and Technology,

Chennai - 600 048
kannan@crescent.education
8778303485

Total No of years of Experience : **18 years**

LIST OF PUBLICATION

JOURNALS

1. **Kannan, G**& Sree Renga Raja, T 2015, " Energy Efficient Distributed Cluster Head Scheduling scheme for Two Tiered Wireless Sensor Network ", Egyptian Informatics Journal, **ElsevierJournal,** vol.16,no.pp.167–174,SNIP :2.774,**SCI IF : 2.306** https://doi.org/10.1016/j.eij.2015.03.001

2. **Kannan , G** & Sree Renga Raja, T 2013, 'An Efficient Cluster-based Reliable Power Aware Scheme (RPAS) for Network Longevity in WSN', WSEAS Transactions on Computers, vol. 12, no. 9, pp. 366-373.E-ISSN: 2224-2872.http://www.wseas.org/multimedia/journals/computers/2013/a065705-261.pdf

3. **Kannan , G**& Sree Renga Raja, T 2014, 'Power Saving Algorithm for Long Life Wireless Sensor Networks', International Journal of Innovative Research in Technology, vol. 1 no 4, pp 50-53, ISSN : 2349-6002.**SNIP :0.464, ISSN: 2119-0275** http://ijirt.org/master/publishedpaper/IJIRT100056_PAPER.pdf.

4. Muthu Krishnan, R &**Kannan G** , 2016, "Polygon Shaped 3G Mobile Band Antennas for High Tech Military Uniforms" Advanced Electromagnetics, Vol. 5, No. 3, Nov 2016.http://aemjournal.org/index.php/AEM/article/view/365, **SNIP :0.464,**ISSN: 1110-8665.DOIhttps://doi.org/10.7716/aem.v5i3.365

5. Imtyaz Ahmed and **Dr.G. Kannan,** 2020**,**"Overcoming Privacy and Security Challenges of Internet of Things Applications",International Journal of Future Generation Communication and Networking, Vol. 13, No. 1, (2020), pp. 1550-1556.**(ESCI)** http://www.sersc.org/journals/index.php/IJFGCN/article/view/11692.

6. Padma Usha, M, Kannan G , Ramamoorthy M , Sharmila M , Huzaifa Anjum G.A, "Multimodal Brain Image Fusion using Graph Intelligence Method", International Journal of Research in Pharmaceutical Sciences 11 (2), 2713-2724.

7. Imtyaz Ahmed and **Dr.G. Kannan,** 2020**, "**Cloud-Based Remote RFID Authentication for Security of Smart Internet of Things Applications", Journal of Information and Knowledge Management, World Scientific Publishing , ISSN (print): 0219-6492 | ISSN (online): 1793-6926 (Accepted for Publication).(SNIP): 0.429

8. Imtyaz Ahmed and **Dr.G. Kannan**,2018 "A Review on Present State-of-the-Art on Internet of Things", Journal of Advanced Research in Dynamical and Control Systems, special issues **,** Issue 12, pp**.** 352-358, (SNIP): 0.152.(SJR 0.11)
https://www.jardcs.org/backissues/abstract.php?archiveid=5488

9. Thamim,M &**Kannan, G,** 2014, An energy efficiency distributed routing algorithm based on HAC clustering method for WSNs", AIMS Journal of Research, ISSN 2321-8487, vol 9,no 1.05.

10. S.Sathyasurya, **Dr.G.Kannan ,** 2015, "Spatial Positioning Algorithm With Floating Point In Articulated Systems for Automatic Stability Balancing",International Journal of Applied Engineering Research,vol.10, no.55, pp.3177-3182.

11. R.Mohamed Thameez, **Dr.G.Kannan**, 2015,"Design and Implementation of Smart Sensor Interface for Herbal Monitoring in IoT Environment",International Journal of Engineering Research-Online, vol.3, no.2, pp.469-475.
http://www.ijoer.in/3.2.15/469-475%20R.MOHAMED%20THAMEEZ.pdf

12. R Poornima, **G.Kannan**, 2015"Development of Real Time Embedded Control System for Transfer Arm Examination Facility In PFBR" i managers journal on Embedded systems vol.4,no.1,pp 24-27. ISSN-2278-7895.
DOI : https://doi.org/10.26634/jes.4.1.3692.

13. S.Sadhish Prabhu,Dr.G Kannan, KIndra Gandhi, Irfanuddin & Munawir, 2018"GPS Controlled Autonomous BOT for Unmanned Delivery", IEEE Xplore , Digital Library ,pp. 128-132.https://ieeexplore.ieee.org/document/8625677 .
DOI: 10.1109/RTECC.2018.8625677

Journal Publication Citation (From Google Scholar)

Citation	**75**
h-index	**3**
i10-index	**1**

ORCID ID

https://orcid.org/0000-0001-9060-1317

CONFERENCE

1. Midhat Jan&**G Kannan** ,2019 , "A Novel Approach for Energy Efficient Routing in Wireless Sensor Networks", International Conference on Innovation in Science, Engineering and Technology (ICASISET 2019) Organized by Bharath Institute of Higher Education and Research , Chennai during 19th to 23rd April 2019.
2. Muthu Krishnan &**Kannan G** , 2018, "Design of modified L-shaped slot loadedsubstrate integrated waveguide wearable antenna for body-centric wireless communication" ,IEEE-INAE Workshop on Electromagnetics 2018 (IIWE 2018).
3. Mohammed Imtyaz Ahmed &**Kannan G,** 2018, "A Review on Present State-of-the-Art on Internet of Things"International Conference on Research Advancements in Applied Engineering Sciences, Computer and Communication Technologies, ICRAAESCCT – 18, B. V. Raju Institute of Technology, Narsapur, Telangana during 12th& 13th July 2018.
4. Mohammed Imtyaz Ahmed &**Kannan G,"**Overcoming Privacy and Security Challenges of Internet of Things Applications"International Conference on Computational & Experimental Methods for Advancing Engineering Systems Applications(ICCEAESA-2019),B. V. Raju Institute of Technology, Narsapur, Telangana duringAugust 23rd, 2019.
5. **Kannan G**& Muthu Krishnan, R, 2016 "Polygon Shaped Microstrip Patch Antenna for Wireless Sensor Networks ", 8th National Conference on "Recent Trends in VLSI, Information and Communication NCRVIC 2016 ," B.S Abdur Rahman University Chennai, during 11th and 12th August 2016.
6. S.Sadhish Prabhu,**Dr.G Kannan**, KIndra Gandhi, Irfanuddin & Munawir**,** 2018"GPS Controlled Autonomous BOT for Unmanned Delivery" IEEE International Conference "Recent trends in Electrical, Control and Communications" (RTECC '18) , BSA Crescent Institute of Science and Technology, Chennai. **DOI:10.1109/rtecc.2018.8625677**
7. Muthu Krishnan, R &**Kannan G** , "A Compact Simple Patch Antenna for ISM Band 2.4GHz" International Conference on emerging Trends in Electrical, Electronics and Communication Systems (ICEEECS'16) University College of Engineering , BIT, Anna University Tiruchirappalli, Tamil Nadu, during 24-26 September 2016.
8. Manoj Praveen. M, &**Kannan.G** 2014, "Low Power Node Design for Wireless Sensor Networks", International Conference on Recent Trends in Engineering and Technology -

ISBN No. 978-93-5137-551-7, Mount Zion College of Engineering and Technology, Pudukkottai.

9. Poornima. R, &**Kannan. G**, 2014 "Model Based Real Time Control System for Transfer Arm Examination Facility in PFBR", in the National Conference on Emerging Trends in Electronics, Instrumentation and Control (ETEIC-2014),Valliammai Engineering College, Chennai.

10. Sujeeth, P &**Kannan, G** 2013,"Power management in wireless sensor networks using RFID mechanism for animal tracking application", National conference on VLSI, Embedded system and Signal Processing, Sri Lakshmi Ammal engineering college, Chennai.
11. Geethanjalli, M &**Kannan G** 2013,"Low power pipeline monitoring system", Intelligent computing in instrumentation and communication, Sai Ram engineering college, Chennai.

12. Pradeep, AV &**Kannan.G** 2012,"Energy Consumption Estimation in Wireless Sensor Node" **International Conference** on Computing and Control Engineering, M.G.R University, Chennai.
13. **Kannan G**, 2008, "Semantic Knowledge Management for Grid Applications" National Conference on High Performance Computing, S.A Engineering College, Chennai.
14. **Kannan, G** 2007, "Dynamic Power Management for Embedded and Portable devices" National Conference on Embedded Systems, Kalasalingam University, Srivilliputhur.
15. **Kannan, G**& Sree Ranjani,T 2005, "Designing a Web Enabled Embedded Controller" National Conference conducted by **IIITM-Gwalior**(Abhigyan-2005).

PATENT PUBLICATION

Title : An Apparatus and Method of Artificial Intelligence Security Wearable System with Internet of Things
Application No.201941031483 A
Publication Date : 30/08/2019

Title : Secure remote health monitoring framework using internet of things with Edge Computing.
Application No : 202041026517
Publication Date : 03/07/2020

RESEARCH OF INTEREST

- Real Time Operating Systems
- Embedded Systems
- Microcontroller and its Applications
- Device Drivers

- Multicore Architecture
- Wireless Sensor Network
- Internet of Things (IoT)