

Ahmed Rasheed

Assistant Professor

School of Electrical Engineering and Computer Science

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About

Dr. Ahmed Rasheed is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Ahmed Rasheed has a PhD in Electrical Engineering. Dr. Ahmed Rasheed has published 23 research articles & conference papers having a citation count of 108, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Electrical Engineering Zhongshan University , China	2015 - 2019
MS in Power Electronics Ghulam Ishaq Khan Institute of Science & Technology , Pakistan	2012 - 2014
BS in Power Engineering UET Lahore , Pakistan	2007 - 2011

Experience

Assistant Professor School of Electrical Engineering and Computer Science	2023- Present
Assistant Professor School of Electrical Engineering and Computer Science	2020 - 2023
Lecturer University of Central Punjab , University of Central Punjab, Lahore	2015 - 2015
Lecturer The University of Faisalabad , Faisalabad	2014 - 2015
Teaching Assistant Ghulam Ishaq Khan Institute of Engineering Sciences and Technology , Topi, Swabi, KPK	2012 - 2013

Research Articles

- A Piezoelectric-Transducer-Biased 3-D Photosensitive Thin-Film Transistor as a Dual-Mode Wearable Energy Harvester** 2020
Emad Iranmanesh Weiwei Li Ahmed Rasheed Kai Wang
IEEE Electron Device Letters, Volume 41, Issue 9, Pages 1368-1371
Impact Factor: 4.187 | **Quartile:** 1 | **Citations:** 8
DOI: 10.1109/LED.2020.3009685
- A Force and Temperature Sensor Array Based on 3-D Field-Coupled Thin-Film Transistors for Tactile Intelligence** 2020
Weiwei Li Chenhuan Lin Ahmed Rasheed Emad Iranmanesh Qi Zhou Kai Wang
IEEE Transactions on Electron Devices, Volume 67, Issue 7, Pages 2890-2895
Impact Factor: 2.917 | **Quartile:** 2 | **Citations:** 15
DOI: 10.1109/TED.2020.2995582
- An Active Self-Driven Piezoelectric Sensor Enabling Real-Time Respiration Monitoring** 2019
Ahmed Rasheed Emad Iranmanesh Weiwei Li Yangbing Xu Qi Zhou Hai Ou Kai Wang
Sensors, Volume 19, Issue 14, Article Number 3241
Impact Factor: 3.275 | **Quartile:** 1 | **Citations:** 30
DOI: 10.3390/s19143241
- A Wearable Self-Driven Impulse Sensor Based on a Mechanical-Field-Coupled Thin-Film Transistor** 2018
Emad Iranmanesh Weiwei Li Xiao Feng Kai Wang Ahmed Rasheed Hai Ou
IEEE Electron Device Letters, Volume 39, Issue 11, Pages 1756-1759
Impact Factor: 3.753 | **Quartile:** 1 | **Citations:** 5
DOI: 10.1109/LED.2018.2868889
- Metabolic Engineered Biocatalyst: A Solution for PLA Based Problems** 2018
Sundus Riaz Nosheen Fatima Rana Ahmed Rasheed Mehvish Riaz Faiza Anwar Yamna Khatoon
International Journal of Biomaterials, NULL
Impact Factor: 0 | **Citations:** 27
DOI: 10.1155/2018/1963024
- A Wearable Piezoelectric Energy Harvester Rectified by a Dual-Gate Thin-Film Transistor** 2018
Emad Iranmanesh Ahmed Rasheed Weiwei Li Kai Wang
IEEE Transactions on Electron Devices, Volume 65, Issue 2, Pages 542-546
Impact Factor: 2.704 | **Quartile:** 2 | **Citations:** 23
DOI: 10.1109/TED.2017.2780261

Conference Proceedings

- Piezotronic Organic (P)-Inorganic(N) Diode-Based Heterojunction in Wearable Harvesters/Sensors** 2022
Ahmed Rasheed Zihao Liang Weiwei Li Kai Wang Hang Zhou Emad Iranmanesh
2022 IEEE International Flexible Electronics Technology Conference (IFETC), res.country(48.)
Citations: N/A
DOI: Nil
- ANFIS based MPPT Controller in PV Electrical Generation** 2022
Asim Fareed Hina Gohar Ali Ahmed Rasheed
19th International Bhurban Conference on Applied Sciences and Technology (IBCAST)-2022, res.country(177.)
Citations: N/A
DOI: Nil
- The Development of Point-of-Care Plasmonic-based Biosensor for Early Detection of COVID-19 Virus** 2021
Rabail Sidhu Rongkun Zheng Ahmed Rasheed Mansoor Ali Khan
15th IEEE International Conference on Nano/Molecular Medicine & Engineering, res.country(233.)
Citations: N/A
- Wearable Piezoelectric BioMEMS-based Sensor for SARS-COV-2 (COVID-19) Virus Droplets Detection** 2021
Abdullah . Mansoor Ali Khan Ahmed Rasheed
15th IEEE International Conference on Nano/Molecular Medicine & Engineering (IEEE-NANOMED 2021), res.country(233.)
Citations: N/A

Impact of Diverse Ambient Illuminations on a Flexible Photosensitive Energy Scavenger	2021
<i>Ahmed Rasheed Emad Iranmanesh Guoshen Yang Hang Zhou Kai Wang</i> 3rd IEEE International Flexible Electronics Technology Conference 2021, res.country(233,)	
Citations: N/A	
DOI: https://ifetc.org/web/program.php?page=program&displayday=3&pads=&start_range=&start_interval=&changing_days=yes&hide_details=	
A 2×2 Flexible Tactile Sensor Array Based on Mechanical-Field-Coupled TFTs	2018
<i>Weiwei Li Xiao Feng Ahmed Rasheed Emad Iranmanesh Kai Wang</i> 2018 International Flexible Electronics Technology Conference (IFETC), res.country(38,)	
Citations: N/A	
DOI: 10.1109/IFETC.2018.8583994	
Flexible Tactile Sensor Based on Mechanical-Field-Coupled Thin Film Transistor	2018
<i>Weiwei Li Ahmed Rasheed Xiao Feng Emad Iranmanesh Kai Wang</i> 13th International Conference on Thin-Film Transistors (ITC'18), res.country(48,)	
Citations: N/A	
DOI: http://www.itc2018.com/index.php?m=Page&a=index&id=61	
Self-Powered and Self-Driven Heart Rate Sensor Based on Mechanical-Field-Coupled Thin Film Transistor	2018
<i>Ahmed Rasheed Emad Iranmanesh Weiwei Li Xiao Feng Hai Ou Kai Wang</i> 13th International Conference on Thin-Film Transistors (ITC'18), res.country(48,)	
Citations: N/A	
DOI: http://www.itc2018.com/index.php?m=Page&a=index&id=61	
Mechanical-Field-Coupled Thin-Film Transistor for Tactile Sensing with mN Dynamic Force Detection Capability and Wearable Self-Driven Heart Rate Monitoring with μW Power Consumption	2017
<i>Weiwei Li Ahmed Rasheed Xiao Feng Emad Iranmanesh Kai Wang Hai Ou Jun Chen Shaozi Deng Jun Chen</i> 2017 IEEE International Electron Devices Meeting (IEDM), res.country(233,)	
Citations: N/A	
DOI: 10.1109/IEDM.2017.8268415	
Experimental Study of Human Body Effect on Temperature Sensor Integrated RFID Tag	2017
<i>Ahmed Rasheed Emad Iranmanesh Weiwei Li Xiao Feng Andrey S. Andrenko Kai Wang</i> 2017 IEEE International Conference on RFID Technology & Application (RFID-TA), res.country(178,)	
Citations: N/A	
DOI: 10.1109/RFID-TA.2017.8098911	
A Wearable Autonomous Heart Rate Sensor Based on Piezoelectric Charge-Gated Thin-Film Transistor for Continuous Multi-Point Monitoring	2017
<i>Ahmed Rasheed Emad Iranmanesh Weiwei Li Hai Ou Andrey S. Andrenko Kai Wang</i> 2017 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), res.country(121,)	
Citations: N/A	
DOI: 10.1109/EMBC.2017.8037557	
A 2×1 Array of Wearable Piezoelectric Energy Harvesters with In-Pixel Rectifiers Based on Piezoelectric-Charge-Gated Thin-Film Transistors	2017
<i>Emad Iranmanesh Ahmed Rasheed Weiwei Li Kai Wang</i> 2017 IEEE International Conference on Advanced Intelligent Mechatronics (AIM), res.country(57,)	
Citations: N/A	
DOI: 10.1109/AIM.2017.8014241	
Subthreshold Operation of PVDF-Integrated Dual Gate Thin-Film Transistor for Tactile Sensing	2016
<i>Weiwei Li Emad Iranmanesh Ahmed Rasheed Hai Ou Jun Chen Kai Wang</i> 2016 7th International Conference on Computer Aided Design for Thin-Film Transistor Technologies (CAD-TFT), res.country(48,)	
Citations: N/A	
DOI: 10.1109/CAD-TFT.2016.7785059	
Heart Rate/Impulse Monitoring Using Autonomous PVDF-Integrated Dual-Gate Thin-Film Transistor	2016
<i>Ahmed Rasheed Emad Iranmanesh Weiwei Li Andrey S. Andrenko Kai Wang</i> 2016 7th International Conference on Computer Aided Design for Thin-Film Transistor Technologies (CAD-TFT), res.country(48,)	
Citations: N/A	
DOI: 10.1109/CAD-TFT.2016.7785041	

Sensor Integrated RFID Tags Driven By Energy Scavenger for Sustainable Wearable Electronics

2016

Applications

Ahmed Rasheed Emad Iranmanesh Andrey S. Andrenko Kai Wang

2016 IEEE International Conference on RFID Technology and Applications (RFID-TA), res.country(48,)

Citations: N/A

DOI: 10.1109/RFID-TA.2016.7750757

Portable Telehealth Aggregation Manager: A novel approach for remote health monitoring

2014

Safiullah Khan Ahmed Rasheed Matiullah Marwat Arshad Ali

2014 4th International Conference on Engineering Technology and Technopreneuship (ICE2T), res.country(157,)

Citations: N/A

DOI: 10.1109/ICE2T.2014.7006268

Switched-capacitor DC-DC boost converter of variable output voltage

2014

Ahmed Rasheed Muhammad Faisal Khan Khasan S. Karimov

2014 4th International Conference on Engineering Technology and Technopreneuship (ICE2T), res.country(157,)

Citations: N/A

DOI: 10.1109/ICE2T.2014.7006254

Editorial Activities

Reviewed Papers for Journals

Impact Factor: NA

2021

Reviewed Papers for Journals

Impact Factor: NA

2021

Reviewed Papers for Journals

Impact Factor: NA

2021