

Khawaja Arsalan Habib

Assistant Professor

Centre for Energy System

Email:

Contact:

LinkedIn:



About

Dr. Khawaja Arsalan Habib is working as Assistant Professor in the Centre for Energy System. Dr. Khawaja Arsalan Habib has a PhD in Electronic Science And Technology. Dr. Khawaja Arsalan Habib has published 12 research articles & conference papers having a citation count of 242, carried out 4 projects and filed 0 intellectual property.

Qualifications

PhD in Electronic Science And Technology University of Electronic Science and Technology of China , China	2014 - 2017
MS in Embedded Intelligent Systems University of Hertfordshire , England	2011 - 2012
BS Riphah International Univeristy , Pakistan	2007 - 2011

Experience

Assistant Professor Centre for Energy System	2019- Present
Assistant Professor Centre for Energy System	2017 - 2019
Visiting Lecturer Sichuan University , Chengdu China	2015 - 2016
Research Assistant University of Electronic Science and Technology , Chengdu China	2014 - 2017
Lecturer Riphah International University , I-14, Islamabad	2013 - 2014

Awards

ISDB winner project winning in Islamic Development Bank yearly Transformers Roadshow competition in "Energy" category held on Saturday, 4th of May, 2019 at COMSTECH, Islamabad.	2019
Excellent paper award IEEE Chengdu section	2017
Best Presentation Award Best presentation award	2015

Professional Memberships

PEC	Since 2013
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Research Projects

National Projects

LV multi-micro-grid (MMG) setup for modifications and performance evaluation under smart grid paradigm.

2018

Funding Agency: HEC

Amount: PKR 480,000.00

Status: Approved_inprocess

Non-contact predictive fault analysis of a utility transformer

2018

Funding Agency: HEC

Amount: PKR 468,000.00

Status: Approved_inprocess

Pseudo-noise based Impedance Spectroscopy for Battery Health Monitoring

2018

Funding Agency: USAID

Amount: PKR 3,000,000.00

Status: Completed

Autonomous 11 KV distribution line fault localization system

2018

Funding Agency: USAID

Amount: PKR 3,000,000.00

Status: Completed

International Projects

- A Contactless Method for Unbalanced Loading Detection in Power Distribution Lines by Magnetic Measurements** 2020
Shah Zeb Malik Khawaja Arsalan Habib Abdul Kashif Janjua Muhammad Kazi
IEEE Transactions on Instrumentation and Measurement , Volume 69, Issue 10, Pages 7472-7483
Impact Factor: 4.016 | **Quartile:** 1 | **Citations:** 12
DOI: DOI: 10.1109/TIM.2020.2983339
- Fault Detection and Localization for Overhead 11-kV Distribution Lines With Magnetic Measurements** 2020
Khawaja Arsalan Habib Muhammad Kazim Usman Zabit Qi Huang
IEEE Transactions on Instrumentation and Measurement, Volume 69, Issue 5, Pages 2028-2038
Impact Factor: 4.016 | **Quartile:** 1 | **Citations:** 72
DOI: 10.1109/TIM.2019.2920184
- A Novel Method for Wide Range Electric Current Measurement in Gas-Insulated Switchgears With Shielded Magnetic Measurements** 2019
Arsalan Habib Khawaja Qi Huang Yafeng Chen
IEEE Transactions on Instrumentation and Measurement, Volume: 68, Issue: 12, Pages: 4712-4722
Impact Factor: 3.658 | **Quartile:** 1 | **Citations:** 22
DOI: 10.1109/TIM.2019.2897039
- Spectral Processing of Self-Mixing Interferometric Signal Phase for Improved Vibration Sensing under Weak- and Moderate-Feedback Regime** 2019
Usman Zabit Olivier D. Bernal Saqib Amin Muhammad Farrukh Qureshi Thierry Bosch Arsalan Habib Khawaja
IEEE Sensors Journal, Volume: 19, Issue: 23, Pages 11151-11158
Impact Factor: 3.073 | **Quartile:** 2 | **Citations:** 42
DOI: 10.1109/JSEN.2019.2935087
- A novel non-invasion magnetic sensor array based measurement method of large current** 2019
Dongsheng Cai Jie Wu Dongsheng Cai Jie Wu Yafeng Chen Arsalan Habib Khawaja Qi Huang
Measurement, Volume 139, Pages 78-84
Impact Factor: 3.364 | **Quartile:** 1 | **Citations:** 26
DOI: 10.1016/j.measurement.2019.02.057
- An Interference-Rejection Strategy for Measurement of Small Current under Strong Interference with Magnetic Sensor Array** 2019
Yafeng Cheng Qi Huang Khawaja Arsalan Habib
IEEE Sensors Journal, Volume: 19 , Issue: 2 , Pages 692-700
Impact Factor: 3.073 | **Quartile:** 2 | **Citations:** 30
DOI: 10.1109/JSEN.2018.2876517
- Interference-rejecting current measurement method with tunnel magnetoresistive magnetic sensor array** 2018
Yafeng Cheng Qi Huang Arsalan Habib Khawaja
IET Science, Measurement & Technology, -
Impact Factor: 1.895 | **Quartile:** 3 | **Citations:** 37
DOI: 10.1049/iet-smt.2017.0433
- Development of Hydrotalcite Based Cobalt Catalyst by Hydrothermal and Co-precipitation Method for Fischer-Tropsch Synthesis** 2017
M. Faizan Sharif Muhammad Arslan Naseem Iqbal Nisar Ahmad Tayyaba Noor
Bulletin of Chemical Reaction Engineering and Catalysis, Volume 12, Issue 3, Pages 357-362
Impact Factor: 0 | **Citations:** 1
DOI: 10.9767/bcrec.12.3.762.357-363

Conference Proceedings

<p>Comparative study of Cascaded H-Bridge Multi level Inverter using different Phase Shifted PWM Techniques</p> <p><i>Usman Hameed Mazhar Ali Husnain Sadiq Arsalan Habib Khawaja Hassan Abdullah Khalid</i></p> <p><i>International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET), res.country(177,)</i></p> <p>Citations: N/A</p> <p>DOI: 10.1109/PGSRET.2018.8685958</p>	2018
<p>Comparative study of Cascaded H-Bridge Multi level Inverter using different Phase shift PWM Techniques</p> <p><i>Usman Hameed Mazhar Ali Husnain Sadiq Khawaja Arsalan Habib Hassan Abdullah Khalid</i></p> <p><i>4th International Conference on Power Generation Systems and Renewable Energy Technologies , res.country(177,)</i></p> <p>Citations: N/A</p> <p>DOI: 10.1109/PGSRET.2018.8685958</p>	2018
<p>A Novel Adaptive Filter for Accurate Measurement of Current with Magnetic Sensor Array</p> <p><i>Yafeng Chen Qi Huang Arsalan Habib Khawaja</i></p> <p><i>IEEE PES (Power and Energy Society) General Meeting 2018, res.country(233,)</i></p> <p>Citations: N/A</p> <p>DOI: 10.1109/PESGM.2018.8585834</p>	2018
<p>Separated Double-Layer Magnetic Shielding With Magnetic Sensor For Large Current Measurement</p> <p><i>Yafeng Chen Qi Huang Arsalan Habib Khawaja</i></p> <p><i>2018 IEEE Innovative Smart Grid Technologies - Asia (ISGT Asia), res.country(197,)</i></p> <p>Citations: N/A</p> <p>DOI: 10.1109/ISGT-Asia.2018.8467871</p>	2018

Editorial Activities

Reviewed Papers for Journals	2018
Impact Factor: 2.794	
Reviewed Papers for Journals	2018
Impact Factor: 2.794	
Reviewed Papers for Journals	2018
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Reviewed Papers for Journals	2018
Impact Factor: 2.794	
Reviewed Papers for Journals	2017
Impact Factor: 2.794	