

Dr. AKHTAR RASOOL

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GOOGLE SCHOLAR LINK: <https://scholar.google.com.pk/citations?user=4sidruAAAAJ&hl=en>

RESEARCHGATE LINK: https://www.researchgate.net/profile/Akhtar_Rasool5

RESEARCH INTERESTS:

- 1 Control of converters for renewable energy resources (RESs) & Applications, Integration of renewable energy resources (Microgrid/Smart Grid), Voltage stability and power control in modern distribution/generation systems!
- 2 Development of autonomous electric vehicles and unmanned vehicles!
- 3 Model development of dynamical systems through estimation/identification, State estimation of DGs!
- 4 Smart methods for life assessment/diagnostics of power plant MV/HV assets, use of wireless communication in smart applications such as diagnostics, electrical power system studies and diagnostics!
- 5 Motion control systems, Bilateral control applications such as Teleoperation (Bio-medical sciences), flood control, irrigation control etc.!
- 6 Smart cities, Smart planning, Smart transportation, Smart energy planning & control, Smart irrigation, Smart flood control by smart data collection & monitoring with the use of cloud computing & IoT!
- 7 Bio-medical Instruments' development for human health monitoring through autonomous data collection!

EDUCATION:

- | | |
|-------------|--|
| 2013 - 2017 | PhD Mechatronics Engineering, <i>SABANCI UNIVERSITY, TURKEY</i>
(Specialization: Power & Control Engineering)
Dissertation Title:
“Control of Three Phase Converters as Source for Micro-grid” |
| 2008 - 2009 | MSc Electrical Engineering, <i>DALARNA UNIVERSITY, SWEDEN</i>
Thesis Title: “Control of Bicycle” |
| 2003 - 2007 | BSc Electrical Engineering, <i>UET LAHORE, PAKISTAN</i>
Thesis Title: “VoIP using Improved QoS Techniques” |

TEACHING & PROFESSIONAL EXPERIENCE:

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|---------------|--|
| 2018 - active | SHARIF COLLEGE OF ENGINEERING & TECHNOLOGY, LAHORE,
Department of Electrical Engineering,
<i>Assistant Professor, Acting HOD, Director-QEC,</i>
<i>Member Board of Studies @ UET-Lahore</i> |
| 2018 - active | HEC Approved PhD <i>Supervisor</i> , Electrical Engineering
Co-Supervisor @ EE-UET-Lahore (MS, PhD)
External Evaluator @ EE-UET-Lahore (MS, PhD) |
| 2018 - active | AGITROL SOLUTIONS (Pvt.) Ltd., PAKISTAN (MEGGER SWEDEN)
High Voltage Engineering Services,
<i>Senior Consultant</i> |
| 2017 - 2018 | UNIVERSITY OF ENGINEERING AND TECHNOLOGY, TAXILA |

2013 - 2017	SUB-CAMPUS CHAKWAL, Department of Electronics Engineering, Assistant Professor (BPS-19) SABANCI UNIVERSITY, TURKEY Faculty of Engineering and Natural Sciences, Teaching Assistant, PhD Scholar
2012 - 2013	UNIVERSITY OF ENGINEERING AND TECHNOLOGY, TAXILA SUB-CAMPUS CHAKWAL, Department of Electronics Engineering, Assistant Professor (BPS-19)
2012 - 2012	PRESCON Engineering (Pvt) Ltd, Pakistan (<i>Doble USA, DV Power, ETAP</i>) Lead Engineer & Consultant
2009 - 2012	HAJVERY UNIVERSITY, LAHORE Faculty of Engineering, Lecturer
2007 - 2008	GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD Department of Telecommunication Engineering, Lecturer / Lab Engineer (BPS-17)
2007 - 2007	ORIENT ENERGY SYSTEMS Pvt. Ltd. (GE GENBACHER), Services Department, Services Engineer

PROFESSIONAL MEMBERSHIPS & ACTIVITIES:

2004 - active	IEEE Member (IEEE# 85030885)
2010 - active	PEC Lifetime Registered Engineer (PEC# 29626)
2010 - active	IEP Lifetime Member (IEP# M16883)
2018 - active	Member – Board of Studies, University of Engineering & Technology (UET), Lahore
2020 - active	Member – Advisory Board, LC International Journal of STEM (Science, Technology, Engineering and Computational Mathematics)
2019 - active	Associate Editor, World Journal of Engineering, Emerald Insight
2019 - active	Editor, International Journal of Electrical Engineering and Computing
2020 - active	Reviewer, Journal of Electrical Engineering, DE GRUYTER
2020 - active	Reviewer, Energy Reports, Elsevier
2020 - active	Reviewer, Journal of Intelligent & Fuzzy Systems, IOS Press
2020 - active	Reviewer, Turkish Journal of Electrical Engineering & Computer Sciences, Tubitak
2019 - active	Referee/Expert, Mehran University Research Journal of Engineering & Technology
2019 - active	Reviewer, Pakistan Journal of Engineering and Applied Sciences, UET-Lahore
2019 - active	Reviewer, IET Power Electronics
2019 - active	Reviewer, Electric Power Components and Systems Journal
2019 - active	Reviewer, IEEE Transactions on Energy Conversion
2019 - active	Reviewer, IEEE Transactions on Power Systems
2019 - active	Reviewer, IEEE Access
2017 - active	Reviewer, International Journal of Electronics
2017 - active	Reviewer, Journal of Renewable Energy Reviews, Elsevier
2017 - active	Reviewer, Journal of Engineering Science and Technology, Elsevier
2017 - active	Reviewer, World Journal of Engineering (WJE), Emerald Insight
2017 - active	Reviewer, International Journal of Engineering Research & Technology (IJERT)

2017 - active	Reviewer, the international Journal for Computation and Mathematics in Electrical and Electronic Engineering (COMPEL), Emerald Insight
2014 - inactive	Served as Reviewer and TPC Member in IEEE Conferences

COURSES TAUGHT:

2018 – active	SHARIF COLLEGE OF ENGINEERING & TECHNOLOGY, LAHORE, PAKISTAN Courses: Introduction to Smart Grid, High Voltage Engineering, Electrical Machines, Power System Analysis, Electric Circuit & Design, Control Systems Design, Electrical Machines Design
2017 - 2018	UET-TAXILA, SUB-CAMPUS CHAKWAL, PAKISTAN Courses: Introduction to Neural Networks, Power Electronics, Industrial Electronics, Measurement & Instrumentation
2013 - 2017	SABANCI UNIVERSITY, TURKEY Courses: Power Electronics, Control Systems, Statistical Modelling
2012 - 2013	UET-TAXILA, SUB-CAMPUS CHAKWAL, PAKISTAN Courses: Measurement and Instrumentation, Digital Electronics
2009 - 2012	HAJVERY UNIVERSITY, LAHORE, PAKISTAN Courses: Circuit Analysis, Electrical Machines, Digital Communication, Digital Logic Design, Measurement & Instrumentation, Digital Control
2007 - 2007	GOVERNMENT COLLEGE UNIVERSITY, FAISALABAD, PAKISTAN Courses: Circuit Analysis, Digital Circuits

TRAININGS / EXTRA-COURSES / WORKSHOPS / SEMINARS / CONFERENCES (ATTENDED):

2021	HUAWEI Certified HCIA (Routing & Switching) (Certificate No. 01010010180841885811765)
2020	Training for HCIA-Routing & Switching , HUAWEI ICT Academy (SCET-HAINA) <i>Sharif College of Engineering & Technology, Lahore, Pakistan</i>
2020	Online Training on “ Distribution Automation with Model Based Volt/Var Optimization ”, ETAP, USA
2020	Online Training on “ Integrating Condition Monitoring with CMMS ”, ALL-TEST Pro, Reliability Connect
2020	One-Week Online Workshop on “ Internet of Things (IoT) Enabled Devices in Various Domains of Engineering ”, Department of Computer Science & Engineering, B.T. Kumaon Institute of Technology, Dwarahat, Almora (Uttarakhand) & Uttarakhand Science Education and Research Center (USERC), Uttarakhand, India.
2020	Online Training on “ Smart Grid for Smart Cities ”, by Carlo Alberto Nucci, University of Bologna, Italy, Department of Electrical & Computer Engineering, University of Kurdistan & Smart/Micro Grids Research Center, Iranian Society of Smart Grid, IEEE Iran Section, Iran. https://smgrc.uok.ac.ir/timeline/webinar-smart-grids-for-smart-cities/
2020	One-Week (September) Online TEQIP-III RTU (ATU) sponsored (FDP) Program on “ Green Energy: The Energy of Future ” (GEEF-2020), Rajasthan Technical University, Kota, and Swami Keshvanand Institute of Technology, Manaement & Gramothan, Jaipur, India.
2020	One-Week (August) Online (FDP) Program on “ Emerging Trends in Power Electronics and Power System ” (ETPEPS-2020), Department of Electrical Engineering, OP Jindal University, Raigarh, Chhattisgarh, India. https://www.opju.ac.in/opju-fdp.php

- 2020 One-Week (August) Online Short Term (FDP) Course on **“Emerging Trends in Power and Energy Systems”**, *Department of Electrical Engineering, School of Engineering, Gautam Buddha University, Greater Noida, Uttar Pradesh, India.*
- 2020 Five-day (July) Virtual International Faculty Development Program (FDP) on **“Research Orientation in Engineering with Effective Outcomes”**, *Department of Electrical and Electronics Engineering, KIET Group of Institutions, Ghaziabad, India*
DOI: 10.13140/RG.2.2.10722.96964
- 2020 Online Training on **“Introduction to Electrical Signature Analysis (ESA)”**, *ALL-TEST Pro, Reliability Connect, Spain*
- 2020 Online Training on **“Motor Acceleration Studies”**, *ETAP, USA*
- 2020 Short Course on **“Microgrid Opportunity: Renewable Energy Resources and Buildings”**, *Faculty of Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra, India*
- 2019 Training Workshop on **“Program Self-Assessment Mechanism Based on HEC/PEC Criteria”**, *University of Engineering & Technology, Lahore, Pakistan*
- 2019 Analysis of Multispectral Radiometer and Satellite Data for Better Monitoring and Management of Crops and Livestock Production,
Virtual University of Pakistan, Lahore, Pakistan
- 2019 Training Webinar on **“Testing SF6 Circuit Breakers -(1PDH)”** by Doble, USA.
- 2018 International Conference on Energy Conservation and Efficiency (ICECE),
University of Engineering & Technology, Lahore, Pakistan
- 2018 Training Workshop on **“Outcome-Based Education (OBE) System Implementation”**,
University of Engineering & Technology, Lahore, Pakistan
- 2018 Seminar on **“Sustainable Energy Solutions for Prosperous Pakistan”**,
IEEEP, WAPDA House, Lahore, Pakistan
- 2017 Seminar on **“Bloom’s Taxonomy in Design & Assessment of Course Learning Outcomes”**,
Institute of Space Technology, Islamabad, Pakistan
- 2012 **Sustainable Development** - SD305 (2011) & SD115 (2012), *IEP, Lahore, Pakistan*
- 2012 **Social Entrepreneurship** - SE306 (2011 & 2012), *IEP, Lahore, Pakistan*
- 2011 **Building Energy Management** - BE312, *IEP, Lahore, Pakistan*
- 2011 **Finance Management for Engineers** - FM114, *IEP, Lahore, Pakistan*
- 2011 **Effective Communication** - EC119, *IEP, Lahore, Pakistan*
- 2011 **Engineering Report Writing** - GE325, *IEP, Lahore, Pakistan*
- 2011 **Information Technology for Engineers** - IT308, *IEP, Lahore, Pakistan*
- 2011 **Environmental Management System** - EM307, *IEP, Lahore, Pakistan*
- 2011 **Project Management**, *IEP, Lahore, Pakistan*
- 2011 **Successful Professional Engineering Practice** - CE324, *IEP, Lahore, Pakistan*
- 2011 **ISO 9000 Quality Management System** - ME323, *IEP, Lahore, Pakistan*
- 2011 **Contract Administration** - CA311, *IEP, Lahore, Pakistan*
- 2011 **Repair & Rehabilitation of Concrete and Masonry Structures** - CE310, *IEP, Pakistan*
- 2011 **Social Accountability to ISO 18000** - ME327, *IEP, Lahore, Pakistan*
- 2009 Graduate Course, **Challenges in Robotics**, *Umeå University, Sweden*
- 2009 Graduate Course, **Scientific Computing**, *Karlstad University, Sweden*
- 2008 Course of **“Oral Communication & Culture for Tourism & Social Science”**,
Dalarna University, Sweden
- 2008 Graduate Course, **Measurement Systems (Sensors)**, *Dalarna University, Sweden*
- 2008 Graduate Course, **Wireless Networks**, *Dalarna University, Sweden*
- 2006 Training for **CCNA Certification**, *CORVIT Systems Lahore, Pakistan*
- 2006 Training for **VoIP Certification**, *CORVIT Systems Lahore, Pakistan*

- 2005 Training in **Transformer Department**, *Pak Electron Limited (PEL), Pakistan*
 2005 Training in **Switchgear Department**, *Pak Electron Limited (PEL), Pakistan*
 2004 Training in **Transformer & Motor Sections**, *Climax Industries (Pvt) Ltd. Pakistan*

TRAININGS / WORKSHOPS & SEMINARS (DELIVERED):

- 2020 Lecture (Webinar) on **“Importance of Implementing Objectives Based Education (OBE) System in Professional Programs”**, *Department of City and Regional Planning, UET-Lahore, Pakistan*
 2019 **“Mock Visitor/Evaluator for Engineering Programs in view of OBE Implementation**, *Rachna College of Engineering & Technology, Gujranwala, Pakistan*
 2019 Workshop on **“The Importance and Role of Industrial Advisory Board (IAB) for Academia”**, *Sharif College of Engineering & Technology, Lahore, Pakistan*
 2019 Workshop on **“The Use of Affective Domain in Making of Class Learning Objectives (CLO)”**, *Sharif College of Engineering & Technology, Lahore, Pakistan*
 2019 Training Workshop on **“Using LaTeX for Creating Thesis Reports & Presentations”**, *Sharif College of Engineering & Technology, Lahore, Pakistan*
 2019 Seminar on **“The importance and role of Psychomotor Domain in Objectives Based Educational (OBE) System Implementation”**, *Sharif College of Engineering & Technology, Lahore, Pakistan*
 2019 Seminar on **“Highlighting the importance of implementing Direct and Indirect Assessment methods effectively to obtain Objectives Based Education (OBE) results”**, *Sharif College of Engineering & Technology, Lahore, Pakistan*
 2019 Seminar on **“Continuous Quality Improvement (CQI) Cycles/Levels in Objectives Based Education (OBE) and Objectives Based Assessment (OBA)”**, *Sharif College of Engineering & Technology, Lahore, Pakistan*
 2018 Full Day Workshop on **“Objectives Based Education (OBE) System, its Importance and Implementation”**, *Sharif College of Engineering & Technology, Lahore, Pakistan*
 2018 Seminar on **“Bloom’s Taxonomy & its role in Engineering Programs”**, *Sharif College of Engineering & Technology, Lahore, Pakistan*
 2018 Seminar on **“Creating a Self-Assessment Report (SAR) for an Engineering Program as per Washington Accord/Pakistan Engineering Council”**, *Sharif College of Engineering & Technology, Lahore, Pakistan*

LANGUAGES & SKILLS:

- English (Excellent), Urdu (Native), Swedish (Basic), Turkish (Basic)
- dSPACE Prototyping System, ETAP, MATLAB, Simulink, PSIM
- LaTeX, Microsoft Office (MS-Word, MS-Excel, MS-PowerPoint, MS-Visio)
- PDS 100 (Doble), M4100 (Doble) Insulation Analyzer
- PD Smart (Doble Lemke), M5200 (Doble) SFRA tool
- EMPATH, TTR300, MTO300, FRAX, TRAX etc. (Megger)
- Router, Switch Configurations (Networking)

AWARDS / HONORS:

- 2017 SABANCI UNIVERSITY Scholarship
 2016 TUBITAK PROJECT Scholarship
 2013-2015 YOUSEF JAMEEL Scholarship

MEMORANDUM OF UNDERSTANDING (MOUS):

- 2020 HUAWEI, Pakistan (KICKS) & Sharif College of Engineering & Technology, Lahore. **(Established Huawei ICT Academy: SCET-HAINA at College)**
Authorized License ID:20201126PK0001
- 2020 Power Planners International (Pvt.) Ltd. & Sharif College of Engineering & Technology, Lahore. **(Collaboration for Undergraduate FYPs is in Process!)**
- 2020 Power Electronics Pakistan (Pvt.) Ltd. Lahore & Sharif College of Engineering & Technology, Lahore.
(Collaborated for EV development, Initial Cart Developed!)
- 2019 Al-Khwarizmi Institute of Computer Science (KICS) & Sharif College of Engineering & Technology, Lahore.
- 2018 AGITROL Solutions (Pvt.) Ltd., Lahore. & Sharif College of Engineering & Technology, Lahore. **(Collaborated Undergraduate FYP Started!)**
- 2018 Operating Technology, Inc. & Sharif College of Engineering & Technology, Lahore.
(Collaborated & established Software based Power Systems Lab)
Electrical Power System Analysis & Operation Software: ETAP with 11 modules
Get authorized release of ETAP software every 6 months

PUBLICATIONS LIST:

Published/Accepted **20**: **17** Web of Science/Master List Journals! + **3** IEEE Conference Papers!
In Process **09**: Under Review - **03** Articles + Under Writing - **3** Articles + Under Writing **3** Books!

<https://scholar.google.com.pk/citations?user=4sidruAAAAAJ&hl=en>

(Chronological List of Only Online Published Articles & Conferencess)

1. M. S. Fakhar, S. Liaquat, S. A. R. Kashif, **A. Rasool**, M. Khizer, M. A. Iqbal, M. A. Baig, and S. Padmanaban, (2020) "Conventional and Metaheuristic Optimization Algorithms for Solving Short Term Hydrothermal Scheduling Problem: A Review", in *IEEE Access*, vol. #, pp. #, [doi: \(Accepted\)!](#). **(IF:4.640)**
2. W. Ali, H. Farooq, **A. Rasool**, I. A. Sajjad, C. Zhenhua, and L. Ning, (2021) "Modeling and Analysis of the Dynamic Response of an Off-Grid Synchronous Generator Driven Micro Hydro Power System", in *International Journal of Renewable Energy Development*, Vol. 10, Issue: 2, pp. 373-384, <https://doi.org/10.14710/ijred.0.33567>. **(WoS: ESCI, HEC: Y)**
3. S. Ali, R. M. Mokhtar, S. Haider, S. H. R. Bukhari, **A. Rasool**, (2021) "Model Reduction Techniques for Unstable Second Order-Form Systems", in *IEEJ Transactions on Electrical and Electronic Engineering*, Vol. #, Issue: #, pp.#, <https://doi.org/10.1002/tee.23315> **(IF:0.668)**
4. S. Liaquat, M. S. Fakhar, S. A. R. Kashif, **A. Rasool**, O. Saleem, M. F. Zia and S. Padmanaban, (2020) "Application of Dynamically Search Space Squeezed Modified Firefly Algorithm to a Novel Short Term Economic Dispatch of Multi-Generation Systems", in *IEEE Access*, vol. 9, pp. 1918-1939, [doi: 10.1109/ACCESS.2020.3046910](https://doi.org/10.1109/ACCESS.2020.3046910). **(IF:4.640)**
5. K. S. Haider, A. B. Huda, **A. Rasool**, S. H. R. Bukhari, (2020) "Subspace Identification of Fault Modes for Twin Rotor System", in *International Journal of Intelligent Unmanned Systems*, Vol. #, Issue: #, pp.#, <https://doi.org/10.1108/IJUS-07-2020-0026>. **(WoS: ESCI, HEC: X)**
6. S. Liaquat, M. S. Fakhar, S. A. R. Kashif, **A. Rasool**, O. Saleem and S. Padmanaban, (2020) "Performance Analysis of APSO and Firefly Algorithm for Short Term Optimal

- Scheduling of Multi-Generation Hybrid Energy System," in *IEEE Access*, Vol. 8, pp. 177549-177569, 2020, [doi: 10.1109/ACCESS.2020.3027436](https://doi.org/10.1109/ACCESS.2020.3027436). (IF:4.640)
7. M. U. Afzaal, I. A. Sajjad, M. F. Nadeem Khan, **A. Rasool**, and H. Farooq, (2020) "Voltage Control and Power Loss Reduction in an Active Distribution Network using Solid State Transformers", in *Sir Syed University Research Journal of Engineering & Technology*, Vol. 10, Issue: 1, pp.#, <https://sirsyeduniversity.edu.pk/ssurj/rj/index.php/ssurj/issue/view/19>. (HEC: Y)
 8. S. Padmanaban, E. Ozsoy, F. Blaabjerg, P. Siano, F. Ahmad, **A. Rasool**, and A. Sabanovic, (2019) "Digital Application of Second Order Generalized Integrator Based Grid Estimator under Unbalanced and Distorted Voltage Conditions", in *Electric Power Components and Systems*, Vol. 47, Issue: 16-17, pp.1464-1474, <https://doi.org/10.1080/15325008.2019.1689447>. (IF:1.160)
 9. M. S. Fakhar, S. A. R. Kashif, N. U. Ain, H. Z. Hussain, **A. Rasool**, and I. A. Sajjad, (2019) "Statistical Performances Evaluation of APSO and Improved APSO for Short Term Hydrothermal Scheduling Problem", in *Applied Sciences*, Vol. 9, Issue: 12, pp.2440, <https://doi.org/10.3390/app9122440>. (IF:2.480)
 10. E. Ozsoy, B. Soner, F. Ahmad, **A. Rasool**, A. Sabanovic, M. Gokasan, S. Bogosyan, and S. Padmanaban, (2019) "Disturbance Observer Based Power Control of DFIG Under Unbalanced Network Conditions", in *Electric Power Components and Systems*, Vol. 46 Issue: 13, pp.1448-1461, <https://doi.org/10.1080/15325008.2018.1489434>. (IF:1.160)
 11. **A. Rasool**, E. E. Ozsoy, F. Ahmad, A. Sabanovic, and S. Padmanaban, (2017) "Disturbance-observer based control of voltage-source-converter under unbalanced voltage conditions", in *World Journal of Engineering*, Vol. 14 Issue: 6, pp.522-531, <https://doi.org/10.1108/WJE-01-2017-0021>. (WoS: ESCI, HEC: Y)
 12. **A. Rasool**, F. Ahmad, and A. Šabanović, "Voltage source converter control under unbalanced grid voltage conditions," 2017 XXVI *International Conference on Information, Communication and Automation Technologies (ICAT)*, Sarajevo, 2017, pp. 1-6. <https://ieeexplore.ieee.org/document/8171643>. (Conference Paper)
 13. F. Ahmad, **A. Rasool**, E. E. Ozsoy, A. Sabanovic, and M. Elitas, (2017) "A robust cascaded controller for DC-DC Boost and Cuk converters", in *World Journal of Engineering*, Vol. 14 Issue: 5, pp.459-466, <https://doi.org/10.1108/WJE-10-2016-0118>. (WoS: ESCI, HEC: Y)
 14. F. Ahmad, M. A. K. Rashid, **A. Rasool**, E. E. Ozsoy, A. Sabanovic, and M. Elitas, (2017) "An improved unscented Kalman filter based dynamic state estimation algorithm for electric distribution Systems", in *COMPEL - The international journal for computation and mathematics in electrical and electronic engineering*, Vol. 36 Issue: 4, pp.1220-1236, <https://doi.org/10.1108/COMPEL-12-2016-0586>. (IF:0.90)
 15. F. Ahmad, **A. Rasool**, E. E. Ozsoy, A. Sabanovic, and M. Elitas, (2017) "Successive-over-relaxation based recursive Bayesian approach for power system configuration identification", in *COMPEL - The international journal for computation and mathematics in electrical and electronic engineering*, Vol. 36 Issue: 4, pp.1043-1058, <https://doi.org/10.1108/COMPEL-10-2016-0462>. (IF:0.90)
 16. E. Ozsoy, S. Padmanaban, L. Mihet-Popa, V. Fedák, F. Ahmad, **A. Rasool**, and A. Sabanovic. (2017). "Control Strategy for a Grid-Connected Inverter under Unbalanced Network Conditions-A Disturbance Observer-Based Decoupled Current Approach." in *Energies*, Vol.10, Issue: 7, pp 1067, <https://doi.org/10.3390/en10071067>. (IF:3.060)
 17. F. Ahmad, **A. Rasool**, E. Ozsoy, R. Sekar, A. Sabanovic, M. Elitaş, (2017). "Distribution system state estimation-A step towards smart grid", in *Renewable and Sustainable Energy*

Reviews, Vol. 81, Part 2, pp. 2659-2671, <https://doi.org/10.1016/j.rser.2017.06.071>.
(IF:12.110)

18. F. Ahmad, M. A. K. Rashid, **A. Rasool**, E. Ozsoy, A. Sabanovic, and M. Elitas, (2017). "Performance Comparison of Static and Dynamic State Estimators for Electric Distribution Systems", in *International Journal of Emerging Electric Power Systems*, 18(3), 20160299. doi: <https://doi.org/10.1515/ijeeps-2016-0299>. (WoS: ESCI, HEC: Y)
19. F. Ahmad, **A. Rasool**, E. Ozsoy, A. Sabanovic, and M. Elitas, "Design of a robust cascaded controller for Cuk converter," *2016 IEEE International Power Electronics and Motion Control Conference (PEMC)*, Varna, 2016, pp. 80-85, doi:10.1109/EPEPEMC.2016.7751978. (Conference Paper)
20. I. A. Sajjad, G. Chicco, M. Aziz, and **A. Rasool**, "Potential of residential demand flexibility - Italian scenario," *2014 IEEE 11th International Multi-Conference on Systems, Signals & Devices (SSD14)*, Barcelona, 2014, pp. 1-6. doi:10.1109/SSD.2014.6808849. (Conference Paper)