

Mohammad Mominur Rahman

House-1/1, Flat-5B, Road-14, Rupnagar R/A, Mirpur, Dhaka-1216.

Email: mominur.rahman@ieee.org. Mobile: +8801911240596

LinkedIn ID: <https://www.linkedin.com/in/mohammad-mominur-rahman-b536b6133/>

Google Scholar: <https://scholar.google.com/citations?user=LZ3X3pAAAAAJ&hl=en>

Updated: June 2021

PERSONAL STATEMENT

Seeking graduate studentship, research assistantship position as a Ph.D. candidate where I can enhance and apply my potentials for contributing fields of Electrical and Electronic Engineering.

EDUCATIONAL QUALIFICATION

- M.Sc. in Electrical Engineering, 2020
 - CGPA: 4.13 (Out of 5)
 - King Saud University, Riyadh, Kingdom of Saudi Arabia.
- B. Sc. in Electrical and Electronic Engineering, 2010
 - CGPA: 3.71 (Out of 4)
 - Ahsanullah University of Science & Technology (AUST), Dhaka, Bangladesh.

EXPERIENCE

ACADEMIC	NON- ACADEMIC
<ul style="list-style-type: none">▪ Position: Research Assistance Duration: Oct 2016 to Sept 2020 Employer: King Saud University, Riyadh, Kingdom of Saudi Arabia.	<ul style="list-style-type: none">▪ Position: Assistant Officer, Credit Risk Management Duration: Jan 2016 to Sept 2016. Employer: IDLC Finance Ltd. 57, Bay's Galleria, Gulshan-1, Dhaka
<ul style="list-style-type: none">▪ Position: Lecturer (Part-time). Duration: October 2010 to April 2013 Employer: Ahsanulla University of Science & Technology. 141-142 Love Road, Tejgaon Industrial Area, Dhaka-1215	<ul style="list-style-type: none">▪ Position: Operation and Maintenance Engineer Duration: Sep 2012 to Jun. 2013. Employer: City Group of Industries Ltd. City Power & Energy Ltd. Uttar Rupsi, Rupgonj, Narayanganj

THESIS

- B.Sc. Thesis title “*Design and Development of a Simulation Tool for Fault Analysis of Power System Using Mat lab*” Supervisor: Assistant Prof. Md. Jakaria Rahimi, Faculty, Dept. of EEE, AUST, Dhaka, Bangladesh.
- M.Sc. Thesis title “*Developing a Coordinated Charging Pattern for Plug-In Hybrid Electric Vehicle in Smart Grid Distribution Systems*” Supervisor. Associate Professor Dr. Essam Al-Ammar, Co-Supervisor Assistant Professor Dr. Wonsuk Ko, Faculty, Dept. of EE, King Saud University, Riyadh, KSA.

PROJECT

- “High Voltage Cable test technique” at King Saud University. Riyadh, KSA.
- “Breakdown Strength of Nano-Fluid Insulation” in King Saud University. Riyadh, KSA.

- “Fabrication of the Phase Change Materials for energy storage” at King Fahd University of Petroleum & Minerals, (KFUPM), Dhahran 31261, Saudi Arabia in 2018, under Dr. Md. Hasan Zahir.

PUBLICATION

1. “Electric vehicles standards, charging infrastructure, and impact on grid integration: a technological review”, Himadry Shekhar Das, **Mohammad Mominur Rahman**, Shuhui Li, Chee Wei Tan, “*Renewable and Sustainable Energy Reviews*”, Elsevier, Volume 120, 2020. <https://doi.org/10.1016/j.rser.2019.109618> [IF: 10.556 (Q1)]
2. “Cadmium Selenide based Quantum Dots for Solar Cells Applications: A review”, **Mohammad Mominur Rahman**, Mohammad Rezaul Karim, Hamad F. Alharbi, Belal Aldokhayel, Md. Hasan Zahir, Tauriq uz Zaman, “*Chemistry - An Asian Journal*”. 21 February 2021. <https://doi.org/10.1002/asia.202001369> [IF: 4.056 (Q1)]
3. “Comprehensive Impact Analysis of Plug-In Hybrid Electric Vehicle Charging Scheduling on Load Duration Curve”, **Mohammad Mominur Rahman**, Essam Al-Ammar, Himadry Shekhar Das, Wonsuk Ko, “*Computers & Electrical Engineering*”, Elsevier, Volume 85, 106673, 2020. <https://doi.org/10.1016/j.compeleceng.2020.106673> [IF: 2.189 (Q2)]
4. “Shape-Stabilized Phase Change Materials for Solar Energy Storage: MgO and Mg(OH)₂ mixed with Polyethylene Glycol”, Md. Hasan Zahir, Mohammad Mizanur Rahman, Kashif Irshad, **Mohammad Mominur Rahman**, “*Nanomaterials*”, 2019, 9(12), 1773. <https://doi.org/10.3390/nano9121773> [IF: 4.034 (Q1)]
5. “LaCO₃OH Nanoprisms and their Luminescence and NO reduction properties”, Md. Hasan Zahir, **Mohammad Mominur Rahman**, Md. shafiullah, Mohammad Mizanur Rahman, Amjad Ali, Firoz Khan, khaled Own Mohaisen, Masoud Al Rasheidi, “*Catalysts*”, 10(4), 394, MDPI, 2020 <https://doi:10.3390/catal10040394> [IF: 3.444 (Q2)]
6. “Ni and Co oxide water oxidation electrocatalysts: Effect of thermal treatment on catalytic activity and surface morphology”, Md. Mahedi Hasan, Tamanna Islam, Zubair Ahmed Ratan, M. Nasiruzzaman Shaikh, Mohammad Rezaul Karim, **Mohammad Mominur Rahman**, Hamad F. Alharbi, Jamal Uddin, Md. Abdul Aziz, A. J. Saleh Ahammad, “*Renewable and Sustainable Energy Reviews*”, Volume 145, 111097, July 2021 <https://doi.org/10.1016/j.rser.2021.111097> [IF: 10.556 (Q1)]

CONFERENCE PROCEEDING

1. “Technical Assessment of Plug-In Hybrid Electric Vehicle Charging Scheduling for Peak Reduction”, **Mohammad Mominur Rahman**, Essam Al-Ammar, Himadry Shekhar Das, Wonsuk Ko, “*2019 10th International Renewable Energy Congress (IREC), Sousse, Tunisia*”, 2019. pp. 1-5. <https://doi.org/10.1109/IREC.2019.8754588>
2. “Study of frequency variant tan delta diagnosis for MV cables insulation status assessment”, Md Zulfiker Heider, **Mohammad Mominur Rahman**, A. A. Al-Arainy, “*5th International Conference on Advances in Electrical Engineering (ICAEE), 2019 IEEE Dhaka, Bangladesh*”, 2019. pp. 260-264. <https://doi.org/10.1109/ICAEE48663.2019.8975616>
3. “Optimal Design of Grid Connected PV Battery System for Probabilistic EVCS Load”, **Mohammad Mominur Rahman**, Essam Al-Ammar, Himadry Shekhar Das, Wonsuk Ko, “*3rd Advances in Science and Engineering Technology multi-conferences (ASET’2020), United Arab Emirates*, 2020. pp. 1-6. <https://doi:10.1109/ASET48392.2020.9118225>
4. “Predictive Direct Power Control of Voltage Source Converters in Microgrids during Reconfiguration” Essam A. Al-Ammar, Habib Ur Rahman Habib, Asad Waqar, Shaorong Wang, **Mohammad Mominur Rahman**, Aftab Ahmed, “*3rd Advances in Science and Engineering Technology multi-conferences (ASET’2020), United Arab Emirates*, 2020. pp. 1-6. <https://doi:10.1109/ASET48392.2020.9118348>

5. “A Review of Electric Vehicles Technologies and Future Direction of Development”, Essam Al-Ammar, **Mohammad Mominur Rahman**, 2nd International Engineering Conference and exhibition, Riyadh, Saudi Arabia, 2020. (Presented)
6. “Techno-Economic Analysis of Hybrid PV/Wind/Fuel-Cell System for EVCS”, **Mohammad Mominur Rahman**, Ghazi A. Ghazi, Essam Al-Ammar, Wonsuk Ko, 3rd International Conference on Electrical, Communication and Computer Engineering (ICECCE),12-13 June 2021, Kuala Lumpur, Malaysia (Presented)

ATTENDING WORKSHOP AND COURSE

- 7 Days Long Professional course on “Basic banking operations” by 2016, IDLC Finance Ltd, Dhaka, Bangladesh.
- One Month Long Certificate Course on Sustainable Energy Technology at King Saud University, Riyadh, Saudi Arabia in 2019.

SERVICE AND MEMBERSHIPS

- June 2021- present IEEE student membership
- June 2021- present IEEE Power & Energy Society Membership
- June 2021- present IEEE Nanotechnology Council
- June 2021- present IEEE Young Professionals

AWARDS

- Merit Scholarship with a partial tuition fee waiver for above 3.50 results from spring, 2006 to Fall, 2010 at Ahsanullah University of Science & Technology, Dhaka, Bangladesh.
- External Graduate Students Scholarship for Masters in Electrical Engineering, 2016 at King Saud University, Riyadh, KSA.

TECHNICAL SKILLS

- Engineering Software: P Spice, DSCH, Homer, PSIM, PowerFactory
- Programming: C+, MATLAB
- Machine Operation: XRD, FTIR, SEM, UV, and RF Spectrofluorophotometer

REFERENCES

Dr. Essam Al-Ammar Associate Professor Department of EE King Saud University, Riyadh, KSA Office Phone: +966 11 4670593 Mobile: +966554080602 E-mail: essam@ksu.edu.sa	Dr. Wonsuk Ko Assistant Professor Department of EE King Saud University, Riyadh, KSA Office Phone: +966 11 4676757 E-mail: wkoh@ksu.edu.sa	Dr. Md. Hasan Zahir Associate Professor Center of Research Excellence in Renewable Energy, King Fahad University of Petroleum and Mineral, Dammam, KSA. Mobile: +966542856377 E-mail: hzahir@kfupm.edu.sa
---	---	--