

Curriculum Vitae

Name : **Md. Habibur Rahman**
Academic qualification : Dr. Eng.
Date of Birth : 10 March 1970
Nationality : Bangladeshi
Religion : Islam
Marital status : Married
Father's name : Md. Mafiz Uddin
Present address : 38/32 Islambag; Posta; Lalbag; Dhaka
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Educational background :

Name of Institute	Name of Degree	Passing Year	Obtained Marks (%)	Obtained Div./Class
Armenitola Govt. High School	S. S. C.	1986	79.6	First Division With Star
Dhaka College	H. S. C.	1988	78.4	First Division With Star
Dhaka University	B. Sc. (Hons)	1994	69.5	First Class 2 nd Position
Dhaka University	M. Sc.	1996	72.2	First Class 2 nd Position
Kitami Institute of Technology, Japan	Ph. D.	2006	---	-----

Title of the Ph.D. Thesis : Design Development And Performance Study Of A Grid-Connected PV-ECS System Using Estimation of Solar Radiation

Language : Bengali, English, Japanese.

Computer Skills : Programming Language: BASIC, PASCAL, C and C++
Package: MS-Office, Matlab, BM, Pspice etc.
OS : MS DOS, Windows

Working experience :

Name of Organization	Period of Employment	Position	Type of Work
Dept. of Electronics and Computer Science, Jahangirnagar University, Savar, Bangladesh	July 1996-December 1996	Lecturer	”
Dept. of Applied Physics and Electronics, University of Dhaka, Dhaka, Bangladesh	January 1997-March 2002	Lecturer	”
Dept. of Applied Physics and Electronics, University of Dhaka, Dhaka, Bangladesh	March 2002-March 2006	Assistant Professor	”
Dept. of Applied Physics, Electronics and Communication Engineering, University of Dhaka, Dhaka, Bangladesh	April 2006 - Continued	Associate Professor	Teaching and research

Major Subjects taught :

Courses related to Computer Science and Engineering: Computer fundamentals and C programming. Object oriented programming C++, Data structure and algorithm, Operating system, Microprocessor and assembly language, Computer organization etc.

Courses related to Applied Physics, Electronics and Communication: Modern Physics, Electricity and Magnetism, Electrical Technology and measurement, Basic analog electronic circuits, advanced analog electronic circuits, Industrial electronics, Digital Electronics, Renewable Energy and Photovoltaics, Instrumentation, Semiconductor devices, RF and Microwave Engineering, Radio and TV etc.

Practical work : Worked as a R&D Engineer in an electronic company and designed the following items : Stabilizer, UPS, Inverter, Fan regulator, Light dimmer, Automatic control of water pump, Air conditioner controller using PIC etc.

Language Skill :
Bengali (Mother tongue), English (Fluent),
Japanese (Listening, Speaking)

Publications :
No. of papers published in international and local journals/transactions : 9
No. of papers published in international Conference : 7
No. of papers published in local Conference : 9

Country visited : India, Japan, Singapore, Hong Kong, Spain, Belgium etc.

Awards received : 1. Mint award of Kitami Institute of Technology in 2005
2. Best paper award in international conference
ICEE 2004
3. Japan Govt. Scholarship (Monbukagakusho
Oct. 2002-March 2006)

Publications

Paper Published in Journals/Transactions:

- [1] **M. H. Rahman** and S. Yamashiro: "A Novel Distributed Power Generating System of PV-ECaSS using Solar Energy Estimation," *IEEE Trans., Energy Conversion*, vol. 22, pp. 440-446, Nov. 2007.
- [2] **M. H. Rahman**, K. Nakamura, and S. Yamashiro "Development of an Advanced Grid-Connected PV-ECS System Considering Solar Energy Estimation," *IEEJ Transactions on Power and Energy*, Vol. 125, No. 4, pp. 399-407, April 2005.
- [3] Monowara Islam, M. Saiful Islam, **Habibur Rahman** and R. K. Mazumder, "Design, Construction and Performance Study of a Capacitor Storage Power System," *The Dhaka University Journal of Science*, Vol. 53, No. 1, pp. 53-57, Jan. 2005.
- [4] Monalia Sadia, Md. Saiful Islam, **Md. Habibur Rahman** and Farruk Ahmed, "Design and Construction of 8255 Port for Parallel Data Communication," *The Dhaka University Journal of Science*, Vol. 52, No. 3, pp. 325-3306, July 2004.
- [5] M. Helal Uddin Ahmed, S. M. Mamun, **Md. Habibur Rahman** and R. K. Mazumder, "Microprocessor Based Low-Harmonic Pulse Width Modulated Inverter," *The Dhaka University Journal of Science*, Vol. 51, No. 1, pp. 1-6, Jan. 2003.
- [6] Tasnim Moriyam, **Md. Habibur Rahman** and Rezaul Karim Mazumder, "Design of an Audio Conference System," *The Bangladesh Journal of Science and Technology*, Vol. 4, No. 1, pp. 147-151, Jan. 2002.
- [7] Saiful Huque, **Md. Habibur Rahman** and Wasek Ali Sikder, "Design and Fabrication of a Sun Simulator for Computerized Real Time Characterization of PV Panels," *The Dhaka University Journal of Science*, Vol. 51, No. 1, pp. 19-24, Jan. 2003.
- [8] **Md. Habibur Rahman**, and Rezaul Karim Mazumder, "A PC-Based Solar Cell Characteristics Analyzer," *The Bangladesh Journal of Science and Technology*, Vol. 1, No. 2, pp. 247-252, July 1999.
- [9] **Md. Habibur Rahman**, Rezaul Karim Mazumder and Farruk Ahmed, "Design of a Simple Instrument for the Measurement of Temperatures and Flow of a Fluid for Solar Energy System," *The Bangladesh Journal of Science and Technology*, Vol. 1, No. 2, pp. 193-198, July 1999.

Papers Published in International Conference:

- [1] **M. H. Rahman**, J. Nakayama, K. Nakamura, and S. Yamashiro, "An Intelligent Grid-connected PV-ECS System with Load Leveling Function," in Proc. of *The Int. Conference on Electrical Engineering*, pp. Pro. CD (ICEE-066), Hong Kong, July 2003.
- [2] **M. H. Rahman**, J. Nakayama, K. Nakamura, and S. Yamashiro, "An Intelligent Grid-connected PV-ECS System with Load Leveling Function," in Proc. of *The Third IASTED Int. Conference on Power and Energy Systems*, pp. 75-80, Spain, Sept. 2003.
- [3] **M. H. Rahman**, K. Nakamura, and S. Yamashiro, "A Grid-connected PV-ECS System with Load Leveling Function Taking into Account Solar Energy Estimation," in Proc. of *The 2nd Int. Conference on Electric Utility Deregulation, Restructuring and Power Technologies, IEEE*, pp. Pro. CD (DRPT-98), Hong Kong, April 2004.

- [4] **M. H. Rahman**, K. Nakamura, and S. Yamashiro, "Development of a Distributed Power Generator of PV-ECS Using a Day-ahead Weather Forecast," in Proc. of *The Int. Conference on Electrical Engineering*, pp. 115-120, Japan, July 2004.
- [5] **M. H. Rahman**, J. Nakayama, K. Nakamura, and S. Yamashiro, "A Grid-Connected PV-ECS System with Load Leveling Function using a Day-ahead Weather Forecast", in Proc. of *The Int. Workshop on Modern Science and Technology*, pp. 73-76, Japan, Sept. 2004.
- [6] **M. H. Rahman**, J. Nakayama, K. Nakamura, and S. Yamashiro, "A Viable Grid-Connected PV-ECS System using a Day-ahead Weather Forecast," in Proc. of *The Int. Conference on Power System Technology, IEEE*, pp. Pro. CD (MB6.1), Singapore, Nov. 2004.
- [7] **M. H. Rahman**, K. Nakamura, and S. Yamashiro, "A Study on the Performance of Grid-connected PV-ECS System Considering Meteorological Variation," in Proc. of *15th Power Systems Computation Conference*, pp. Proc. CD (PS27), Belgium, Aug. 2005.


Papers Published in Local Conference:

- [1] **M. H. Rahman**, K. Nakamura, and S. Yamashiro, "A Comparative Study on Optimal Load Leveling and Optimal Economic Operation of a PV-ECaSS System," in Proc. of *the Power and Power System Engineering*, pp.13-17, PE-05-92, PSE-05-99, Sept. 2005.
- [2] **M. H. Rahman**, K. Nakamura, and S. Yamashiro, "A PV-ECS based Generator using Estimated Daily PV Output," in Proc. of *the Power and Power System Engineering*, pp.31-36, PE-04-107, PSE-04-107, Sept. 2004.
- [3] **M. H. Rahman**, J. Nakayama, K. Nakamura, and S. Yamashiro, "Estimation of Solar Radiation for PV-ECS System with Load Leveling Function," in Proc. of the *Joint Convention Record, the Hokkaido Chapters of the Institute of Electrical and Information Engineers*, pp.95-96, Oct. 2003.
- [4] **M. H. Rahman**, J. Nakayama, K. Nakamura, and S. Yamashiro, "A Grid-Connected PV-ECaSS System Taking into Account Solar Energy Estimation," Proc. of the *Joint Convention Record, the Hokkaido Chapters of the Institute of Electrical and Information Engineers*, pp.284-285, Oct. 2003.
- [5] **M. H. Rahman**, J. Nakayama, K. Nakamura, and S. Yamashiro, "Development of a Grid-Connected PV-ECS System with Load Leveling Function by Taking into Account Solar Energy Estimation," *Proc. of The National Convention Record IEE*, Japan, pp.47-48, March 2004.
- [6] **M. H. Rahman**, K. Nakamura, and S. Yamashiro, "Optimal Economic Operation Scheme of Grid-Connected PV-ECS System," Proc. of the *Joint Convention Record, the Hokkaido Chapters of the Institute of Electrical and Information Engineers*, pp. 103-104, Oct. 2004.
- [7] **M. H. Rahman**, K. Nakamura, and S. Yamashiro, "A Grid-Connected PV-ECaSS System with a Novel Operating Technique," Proc. of the *Joint Convention Record, the Hokkaido Chapters of the Institute of Electrical and Information Engineers*, pp. Proc. CD (No. 38), Oct. 2005.
- [8] □□ □□, **Rahman Md. Habibur**, □□ □□, □□ □: "□□□□□□□□ □□□□□□□□□□□□PV-ECS□□□□,"□15□□□□□□□□□□□□□□ □□□□□□, pp. 57-64, May, 2003.
- [9] □□, **Rahman Md. Habibur**, □□ □□, □□ □: □□□□□□□□□□ □□□□PV-ECS□□□□□□□,"□□□□□□□□□□□□□□□□□□□□, pp.61-66, PE-03-189, PSE-03-200, Sept. 2003.

References:

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