

# Resume

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Jia Uddin

Ph.D. Student, Embedded System Lab

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## Education

- Ph.D. 2010-till now, Computer Engineering  
University of Ulsan, Ulsan, Korea  
Ph.D. Research: Mobile Ad-hoc Networks, Internet Connectivity among Mobile users Multimedia Communications
- M.Sc. 2008-2010, Telecommunication Engineering  
Blekinge Institute of Technology, Blekinge, Sweden  
M.Sc. Research: Routing Protocols in Mobile Ad-hoc Networks
- B. Sc. 2000-2004, Computer and Communication Engineering  
International Islamic University Chittagong, Chittagong, Bangladesh  
B.Sc. Research: Robotics

## Academic Appointments

- Lecturer (14<sup>th</sup> August 2005-31<sup>st</sup> Jan 2011)  
Department of Computer and Communication Engineering  
Faculty of Science and Engineering  
International Islamic University Chittagong, Bangladesh
- Assistant Professor (1<sup>st</sup> February 2011- till) (study leave)  
Department of Electronic and Telecommunication Engineering  
Faculty of Science and Engineering  
International Islamic University Chittagong, Bangladesh
- Graduate Researcher(18<sup>th</sup> September 2011-till now)  
Embedded System Lab, University of Ulsan  
Room 303, Building 7, Ulsan, South Korea

## Course Taught

- Undergraduate
  - Basic Electrical Engineering
  - Basic Electronic Engineering
  - Pulse techniques Digital Electronic
  - Digital Logic Design
  - Electromagnetic Fields and Waves
  - Data Communication
  - Computer Networking
  - VLSI Design.

## Supervise Undergraduate students

- Md. Shahidul Islam, Performance Evaluation of Dynamic Source Routing Protocol in MANETs, Spring 2011, Dept. of CCE, IIUC
- Md. Shahajan, Quality Improvement of Corrupted Images, Spring 2011, Dept. of CCE, IIUC
- Md. Emran Hossen, Performance analysis of Wi-MAX Channel Models, Spring 2011, Dept. of CCE, IIUC
- Abu Hasnat Md. Riadul Alam, Simulation Based Performance Analysis of GRP MANET Routing Protocol, Spring 2011, Dept. of CCE, IIUC

## Publications

### • Books

1. **Jia Uddin**, Md. Rabiul Zasad "Study and Performance Analysis of MANET Routing Protocols: TORA, LDR and ZRP" VDM Verlag Dr. Müller e.K. ISBN 978-3-639-30382-7 (2011)
2. **Jia Uddin**, Md. Shahjahan, "Image Denoising and Quality Enhancement of Corrupted Images Applying Different Filters" VDM Verlag Dr. Müller e.K. ISBN 978-3-8484-3888-4 (2012)

### • Journals

1. Md. Ahsan Habib, **Jia Uddin**, Md. Monirul Islam, "Safety Aspects of Enhanced Underwater Acoustic Sensor Networks," International Journal of Emerging Technology and Advanced Engineering, IJETAE, Vol. 2, No. 8, August 2012. [To be Appeared]
2. **Jia Uddin**, Jong-Myon Kim, "Impact of Background Utilization and Background traffic on the Foreground applications in a Wide Area Network", **Accepted** Lecture Note on Electrical Engineers (LNEE) (Springer) [Indexed by EI and Scopus]
3. Md. Abdus Samad, **Jia Uddin**, Md. R. Ahmed, "FIR Filter Design Using Modified Lanczos Window Function", Advance Materials Research Vol. 566 (2012), pp 49-56, Trans Tech Publications, Switzerland. doi:10.4028/www.scientific.net/AMR.566.49
4. Md. Ahsan Habab, Mahe Zabin, **Jia Uddin**, "An Approach to Wavelet Based Image Denoising" Journal of Computational Intelligence and Electronic Systems (JCIES),

American Scientific Publisher, 25650 North Lewis Way, USA [**Accepted, will be available in June Issue**]

5. Mahe Zabin, Mohammed Adil, **Jia Uddin**, "Simulation Based Performance Analysis of Wi-MAX Modulation Techniques" Journal of Computational Intelligence and Electronic Systems (JCIES), American Scientific Publisher, 25650 North Lewis Way, USA [**Accepted, will be available in June Issue**]
  6. **Jia Uddin**, Jong-Myon Kim, "Investigate the System Performance by Tuning the TCP Congestion Parameters at Client Device" International Journal of Hybrid Information Technology, SERSC, (Indexing EI Compendia).
  7. **Jia Uddin**, Seokhoon Yoon, Jong-Myon Kim, "Simulation Based Performance Analysis of Geographic Routing Protocol" International Journal of Future Generation Communication and Networking, IJFGCN, SERSC ( Indexing: EI Compendix, SCOPUS) [**Accepted**]
  8. **Jia Uddin**, Mohammad A. Haque, Jong-Myon Kim, Myeong-Jae Yi, Cheol-Hong Kim, "Investigate the performance of Mobile Ad-Hoc Network Routing Protocols in Catastrophic area", International Journal of Multimedia and Ubiquitous Engineering, IJMUE, SERSC. ( Indexing: EI Compendix, SCOPUS) [ **Accepted**]
  9. **Jia Uddin**, Mohammed Faisal, Md. Facihul Azam, A.F.M. Muzahidur Rahman, "Performance Analysis of Multicarrier Code Division Multiple Access over Rayleigh Fading Channel", Advanced Materials Research, Vol.457-458 (2012), pp 985-988, Trans Tech Publications, Switzerland. [Indexing: Thomson ISI, Elsevier, CSA, IEE] [**2012**]
  10. Mohammed Faisal, **Jia Uddin**, Shimul Shil, "Performance of VoIP Networks Using MPLS Traffic Engineering", Advanced Materials Research Vols. 452-458, pp 927-930, Trans Tech Publications, Switzerland. [Indexing: Thomson ISI, Elsevier, CSA, IEE] [**2012**]
  11. Mahe Zabin, **Jia Uddin**, D. K. Appana, S. Saha, "Implementation of Bayesian Techniques for Demodulation", International Journal on Internet and Distributed Computed Systems, IJIDCS, Volume 1, Issue 2, pp. pp. 76-78. [Indexing: EBSCO, INSPEC, DOAJ, IAOR] [**2012**]
  12. Mohammed Faisal, **Jia Uddin**, Iqbal Hasan Haider, "Simulation Based Performance Analysis of MCCDMA over CDMA" International Journal on Internet and Distributed Computed Systems, IJIDCS, Vol. 2, Issue 1, pp. 120-122. [Indexing: EBSCO, INSPEC, DOAJ, IAOR] [ **2011**]
- **International Conferences**
    1. **Jia Uddin**, Jong-Myon Kim, "Impact of Background Utilization and Background traffic on the Foreground applications in a Wide Area Network", **Accepted** in The 2012 International Workshop on Smart Devices, Applications, and Services (SmartIT 2012)
    2. **Jia Uddin**, S.M. Taslim Reza, Qader Newaz, Jamal Uddin, Touhidul Islam, Jong-Myon Kim, Automated Irrigation System Using Solar Power" **Submitted** in International Conference on Electrical and Computer Engineering (ICECE 2012), BUET, Dhaka, Bangladesh.[**2012**]
    3. **Jia Uddin**, Jong-Myon Kim, "Performance Optimization of a Client-Server System by Tuning the TCP Congestion Control Parameters" International Conference on Information Science and Technology, SERSC, April 28-29, Shanghai, China.[**2012**]
    4. **Jia Uddin**, Cheol-Hong Kim, Jong-Myon Kim, "Performance Analysis of Geographic Routing Protocol for FTP traffic in MANETs" The 1st International Conference on Advanced Information Technology and Sensor Application, FTRA, February 28-29, 2012, at Yuseong Hotel, Daejeon, Korea. [**2012**]

5. **Jia Uddin**, Cheol-Hong Kim, Jong-Myon Kim, "An Analysis of MANET Routing Protocols in Catastrophic area for QoS of Multimedia Traffic" The 1st International Conference on Advanced Information Technology and Sensor Application, FTRA, February 28-29, 2012, at Yuseong Hotel, Daejeon, Korea [2012]
- **National Conferences**
    1. M.A.M. Roman, **Jia Uddin**, "Simulation Based Comparative Study on Multi-Carrier Code Division Multiple Access Scheme" Annual Conference and Seminar on Electronics and ICT for national development, Bangladesh Electronic Society, Dhaka, Bangladesh, 2012 [Accepted].

### Received Awards

- Full Scholarship including tuition fees, living expenses for pursuing 3 year Ph.D in Computing Engineering, University Ulsan, South Korea
- Swedish Govt. awards (full tuition fees) for MSc. in Electrical Engineering at Blekinge Institute of Technology, August 2008- June 2010
- Full tuition fees awards for outstanding semester result (GPA 4.00 in the scale of 4.00) in bachelor program at IIUC, autumn 2002
- Merit Scholarship for very good semester result from International Islamic University Chittagong, 2000-2004

### Organizational Activities

- Member of **IACSIT** (International Association of Computer Science and Information Technology), Member ID: 80339140
- Member of **IEB** (Institute of Engineers Bangladesh), Member ID: 26595
- Editor in Chief, International Journal of Research and Reviews in Information Security and Privacy, (IJRRISP), Science Academy Publisher, UK
- Editorial Board Member, International Journal of Research and Reviews in Ad Hoc Networks (IJRRAN), Science Academy Publisher, UK.
- Editorial Board Member, International Journal of Research and Reviews in Wireless Sensor Networks (IJRRWSN), Science Academy Publisher, UK
- Editorial Board Member, International Journal of Emerging Technology and Advanced Engineering (IJETA), India
- Editorial Board Member, IJENS Researchers Promotion Group, International Journals of Engineering and Sciences, Pakistan [Online] <http://ijens.org/>
- Reviewer, Journal International Journal of Electrical Engineering & Technology, (IJEET), SCI-E, South Korea
- Reviewer, International Conferences- ICMLC, Singapore, 2011
- Reviewer, International Conferences- ICCCA 2011, JeJu Island, South Korea
- Reviewer, International Conferences- ICCSIT 2011, Chengdu, China
- Reviewer, International Conferences- ICDIPC 2011, Ostrava, Czech Republic

- Reviewer, International Conferences- DEIS 2011, London, UK
- Reviewer, International Conferences- ICIEIS-2011, University Technology Malaysia

### Country Visited

- Sweden
- Poland
- Germany
- Denmark
- UAE
- Thailand
- South Korea

### Personal Details

**Father's Name** Mr. Golam-Quader  
**Mother's Name** Mrs. Ayesha Khatun  
**Wife's Name** Mahe Zabin  
**Twin Daughters** Jasra & Jahra  
**Date Of Birth** 27-07-1981  
**Nationality** Bangladeshi  
**Religion** Islam  
**Marital Status** Married

#### Permanent Address:

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