

# MD. NADIM

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## RESEARCH INTERESTS

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Predictable Wireless Networking, 5G/6G, Rural Broadband, Wireless Backhaul communications (MW and mmWave), FSO, Routing and Networking.

## EDUCATION

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**Ph.D. [Computer Engineering]** June 2022 - Present  
Iowa State University, Ames, Iowa

**B.Sc. [Electrical and Electronic Engineering]** September 2017  
Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh

## WORK EXPERIENCE

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**[Center for Wireless, Communities and Innovation \(WiCI\)](#)**  
Graduate Research Assistant June 2022- Present  
NSF PAWR Project: ARA Wireless Living Lab

**Robi Axiata Limited**  
*One of the Top Telecom Operators in Bangladesh with more than 50M Subscribers Base*  
**Wireless Transport Planning, Technology Planning | Technology**  
Designation: Specialist (Full-time) July 2019- June 2022  
*SM Consulting Services Inc. (Mississauga, Ontario, Canada)*

**Network Design Team**  
Designation: Network designer (Full-time - Remotely) Dec. 2021- May 2022

**Bangla Phone Limited**  
**Network Operation Centre, Planning and Development**  
Designation: Jr. System Engineer (Full-time) Nov. 2017- June 2019

## CONFERENCE & WORKSHOP PAPERS

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- **Md Nadim**, Taimoor Ul Islam, Salil Reddy, Tianyi Zhang, Zhibo Meng, Reshal Afzal, Sarath Babu, Arsalan Ahmad, Daji Qiao, Anish Arora, and Hongwei Zhang. “**AraSync: Precision Time Synchronization in Rural Wireless Living Lab**”, ACM Workshop on Wireless Network Testbeds, Experimental evaluation and CHaracterization (WiNTECH), 2024
- Taimoor Ul Islam, Joshua Ofori Boateng, **Md Nadim**, Guoying Zu, Mukaram Shahid, Xun Li, Tianyi Zhang, Salil Reddy, Wei Xu, Ataberk Atalar, Vincent Lee, Yung-Fu Chen, Evan Gosling, Elisabeth Permatasari, Christ Somiah, Zhibo Meng, Sarath Babu, Mohammed Soliman, Ali Hussain, Daji Qiao, Mai Zheng, Ozdal Boyraz, Yong Guan, Anish Arora, Mohamed Selim, Arsalan Ahmad, Myra B Cohen, Mike Luby, Ranveer Chandra, James Gross, Hongwei Zhang. “**Design and**

**Implementation of ARA Wireless Living Lab for Rural Broadband and Applications.**” arXiv preprint arXiv:2408.00913 (2024).

- E. K. A. Permatasari, E. Gosling, **M. Nadim**, S. Babu, D. Qiao, H. Zhang, M. Luby, J. W. Byers, L. Minder, and P. Aggrawal, “**Real-Time Liquid Wireless Transport for Video Streaming in Rural and Agricultural Applications**”, ACM Mile High Video (MHV), 2024
- Guoying Zu, **Md Nadim**, Salil Reddy, Taimoor Ul Islam, Sarath Babu, Tianyi Zhang, Daji Qiao, Hongwei Zhang, Anish Arora, “**AraHaul: Multi-Modal Wireless X-Haul Living Lab for Long-Distance, High-Capacity Communications**”, IEEE Future Networks World Forum (FNWF), 2023
- Taimoor U. Islam, Joshua O. Boateng, Guoying Zu, Mukaram Shahid, **Md Nadim**, Wei Xu, Tianyi Zhang, Salil Reddy, Xun Li, Ataberk Atalar, Yung-Fu Chen, Sarath Babu, Hongwei Zhang, Daji Qiao, Mai Zheng, Yong Guan, Ozdal Boyraz, Anish Arora, Mohamed Selim, Myra B. Cohen, “**ARA PAWR: Wireless Living Lab for Smart and Connected Rural Communities**”, 29th ACM Annual International Conference on Mobile Computing and Networking Demos Session (MobiCom), 2023 (demo)

## AWARDS & SCHOLARSHIPS & RECOGNITION

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| 1. Best Demo Award: NSF Midscale Experimental Research Infrastructure Forum (MERIF) – “ARA PAWR - Enabling Wireless Experiments with Programmable COTS RAN and X-Haul Platforms” | <b>Sep 2024</b>    |
| 2. Travel Grant: MERIF Workshop  | <b>Sep 2024</b>    |
| 3. Takano Fellowship (ISU)   | <b>2022 - 2023</b> |
| 4. Star Performer of Q3'21: Technology Planning Division, Robi Axiata Limited  | <b>2021</b>        |
| 5. Technical award at every academic year of BUET  | <b>2013 - 2017</b> |
| 6. HSC Exam Board Scholarship (Dhaka)  | <b>2012</b>        |
| 7. Notre Dame Science Club Chemistry Olympiad (1 <sup>st</sup> Position)   | <b>2011</b>        |

## SYNERGISTIC AND LEADERSHIP ACTIVITIES

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|---|----------------------------|
| • <b>Main Event Organizer &amp; Treasurer</b><br>Orion EEE DAY 2017 | <b>Mar 2017 - May 2017</b> |
| • <b>General Secretary</b><br>BUET Dance Club                       | <b>Mar 2017 - Oct 2017</b> |
| • <b>Vice President</b><br>BUET Drama Society                       | <b>Mar 2017 - Sep 2017</b> |

## EXTRA-CURRICULAR ACTIVITIES

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- Cricket:** Player of Faculty Cricket Team (Represented ECE Faculty)  
Player of Departmental Cricket Team (Represented EEE Department)
- Cycling:** Member of BD Cyclist, BUET Branch |
- Photography:** Member of BUET Photographic Society