


# Stanford

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## Asir Intisar Khan

Ph.D. Student in Electrical Engineering, admitted Autumn 2018

 Curriculum Vitae available Online

### Bio

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#### HONORS AND AWARDS

- The Lewis M. and Barbara C. Terman Graduate Fellowship, Electrical Engineering, Stanford University (2018-2019)

#### EDUCATION AND CERTIFICATIONS

- Graduate Student (PhD), Stanford University , Electrical Engineering
- M.Sc, Bangladesh University of Engineering and Technology , Electrical and Electronic Engineering (2018)
- B.Sc, Bangladesh University of Engineering and Technology , Electrical and Electronic Engineering (2016)

#### PERSONAL INTERESTS

Traveling, Music, Cooking, Table Tennis

#### LINKS

- Personal Home Page: <https://asir.people.stanford.edu/khan>
- <http://poplab.stanford.edu>: <http://poplab.stanford.edu>

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

- Investigation of ultrahigh temperature sensitivity of emerging 2-D nanomaterials to develop smart thermal interface materials
- Design and Performance Optimization of Interfacial Phase Change Memory

#### LAB AFFILIATIONS

- Eric Pop, Pop Lab (9/24/2018)

### Publications

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#### PUBLICATIONS

- **Thermal transport characterization of stanene/silicene heterobilayer and stanene bilayer nanostructures** *NANOTECHNOLOGY*  
Noshin, M., Khan, A., Subrina, S.  
2018; 29 (18): 185706
- **Stanene-hexagonal boron nitride heterobilayer: Structure and characterization of electronic property** *SCIENTIFIC REPORTS*  
Khan, A., Chakraborty, T., Acharjee, N., Subrina, S.

2017; 7

- **Impact of tensile strain on the thermal transport of zigzag hexagonal boron nitride nanoribbon: An equilibrium molecular dynamics study** *MATERIALS RESEARCH EXPRESS*  
Navid, I., Khan, A., Subrina, S.  
2018; 5 (2)
- **Thermal transport characterization of hexagonal boron nitride nanoribbons using molecular dynamics simulation** *AIP ADVANCES*  
Khan, A., Navid, I., Noshin, M., Subrina, S.  
2017; 7 (10)
- **Characterization of thermal and mechanical properties of stanene nanoribbons: a molecular dynamics study** *RSC ADVANCES*  
Khan, A., Paul, R., Subrina, S.  
2017; 7 (80): 50485–95
- **Stanene-hexagonal boron nitride heterobilayer: Structure and characterization of electronic property.** *Scientific reports*  
Khan, A. I., Chakraborty, T., Acharjee, N., Subrina, S.  
2017; 7 (1): 16347
- **Automatic Bengali Number Plate Reader**  
Shahed, M., Udoy, M., Saha, B., Khan, A., Subrina, S., IEEE  
IEEE.2017: 1364–68
- **Thermal Transport in Defected Armchair Graphene Nanoribbon: A Molecular Dynamics Study**  
Noshin, M., Khan, A., Navid, I., Subrina, S., IEEE  
IEEE.2017: 2600–2603
- **Thermal transport in graphene/stanene heterobilayer nanostructures with vacancies: an equilibrium molecular dynamics study** *RSC ADVANCES*  
Khan, A., Paul, R., Subrina, S.  
2017; 7 (71): 44780–87
- **Impact of vacancies on the thermal conductivity of graphene nanoribbons: A molecular dynamics simulation study** *AIP ADVANCES*  
Noshin, M., Khan, A., Navid, I., Uddin, H., Subrina, S.  
2017; 7 (1)
- **Bangla Voice Controlled Robot for Rescue Operation in Noisy Environment**  
Bhattacharjee, A., Khan, A., Haider, M. Z., Fattah, S. A., Chowdhury, D., Sarkar, M., Shahnaz, C., IEEE  
IEEE.2016: 3284–88
- **Equilibrium Molecular Dynamics (MD) Simulation Study of Thermal Conductivity of Graphene Nanoribbon: A Comparative Study on MD Potentials** *ELECTRONICS*  
Khan, A., Navid, I., Noshin, M., Uddin, H., Hossain, F., Subrina, S.  
2015; 4 (4): 1109–24