Abu Asaduzzaman | Research Statement

have received veral research grants from the WSU internal sources. I have refereed journal articles, etbook chapters, more than peerreviewed more than ten technical articles out of my research work. I have been serving the nities as a panel reviewer, panel presenter, invited speaker, journal reviewer, hnical/international program committee member, and numerous volunteer my university.

cture and Parallel Programming Laboratory (CAPPLab) at WSU, I have been cant research projects. In the project funded by ANL (08/2022923), we tions on Exascale machines using the Portable, Extensible Toolkit for Scientific and the Data Management Network (DMNetwork) libraries that are of interest to erate realistic traffic data in Hierarchical Data Format 5 (HDF5) for selected SWO netconvert (a network simulator) and develop/update PETSc subroutines data processing. The resulting code development is included into the PETSc nefiting the scientific community in largethe project funded by DOE Visiting Lawrence Berkeley National LaboratoryE(NL) (06/202008/2021), we eration through a feisable methodology for generating graphic design system code files of matrixmatrix multiplication (MMM). We synthesizehe Pythonic in large

es during my undergraduate study at Bangladesh an ABET accredited institution. I developed a guage to fabilit Computer Aided Design of ng of Current Distribut ionis' research work was cepted in partial fulfillment of the requirements for pired by my undergraduate research work that I in Computer Engineering at FAU.

ed cacheoherent multiprocessor systemshwit usterased architecture which is a variation of AGH) architecture. In this architecture, snoopy rocessors per cluster is small). Clusters are