**Wireless Propagation Database**

**PIs:** Dennis Shasha (prof), Ted Rapport (prof), Alim Williams (developer)

**Student:** George Wong

**Introduction to Team:** The faculty advisors of the project are Dennis Shasha and Ted Rappaport. George Wong will be working on the project. George is Dennis Shasha’s undergraduate advise. He is completing his third year as an undergraduate. He has a strong foundation in software and wireless physics. He has worked on the collection of the data and on the database system itself.

**Overview Research Statement and Justification:** As NYU WIRELESS and other organizations collect millimeter data, there is a need to be able to find subsets of that data in a simple way based on multiple parameters. The NYU WIRELESS Propagation Database supports such queries and has been designed to be extensible. However the database will require maintenance and expansion over time – maintenance to enhance the user interface and expansion to incorporate new parameters and new data sets (starting with 28 gigahertz and 73 gigahertz) and to streamline the problem of integrating new data. Finally, we will create documentation.

**Affiliate Sponsors with direct interest:** All affiliates.

**Existing Support:** No external funding, but internal NYU WIRELESS funding has contributed to the creation of the first prototype.