Data Management Plan

As illustrated in the past awards and biography, the three PIs have track-records of following NSF’s AAG policy of prompt publication of sponsored research data and have actively shared and communicated the results with the scientific community in conferences and via various synergistic activities.

Expected Data to be Managed: The work detailed in the preceding proposal can be anticipated to produce the following data artifacts:

- Architectural description of the prototype system(s) being created.
- A list and archive of peer reviewed publications based on the research accomplishments achieved through this research.
- Software, firmware, data, created and/or modified software and soft artifacts.
- Middleware specifications, prototypes, and configuration information created.
- Original and derived data used to create all the research papers and findings.

These data are to be prepared and published promptly in the form of peer-reviewed journal articles, thesis, supplementary information to published manuscripts, book chapters and other print or electronic publishing formats. Preliminary data or raw data, drafts of scientific papers, plans for future research, peer reviews, communications with colleagues and physical samples are not included in this plan as set forth by the US Office of Management and Budget [1]. Also excluded are trade secrets, commercial information, materials necessary to be held confidential until they are published, or any information protected under law.

Data Formats: The data will be available in print from publishers or electronically in pdf format.

Period of Retention: Data will be retained for a minimum of three years after conclusion of the award or three years after public release (publication), whichever is later. Data related to a student’s research work will be retained for at least three years after the degree is awarded. Data that support patents will be retained for the entire term of the patent. Longer periods will apply when questions arise from inquiries or investigations with respect to research.

Data Storage and Preservation: Published data will be available in print or electronically from publishers, subject to subscription or printing charges. All algorithms and specific results obtained from this project will also be stored electronically in computers installed at the offices of the PI and graduate students at the campus of Auburn University. In cases of changes to the roles and responsibilities of the personnel involved (such as graduation, separation from AU) the PI is responsible to take over data originally preserved by said personnel and if no PI is available the data will be stored in the Office of Engineering Network Service at the Samuel Ginn School of Engineering.

Sharing and Access of Primary Data: All analyzed primary data under this award will be published promptly. Published data such as articles, dissertations and book chapters are accessible from publishers or upon request to the senior and student researchers involved, subject to privacy, confidentiality, security, and intellectual property right policy of individual publishers. Subscription or printing charges may apply. Exceptions are data involving proprietary information or patent application. Public access to these data is restricted.