Danny Hardin

EDUCATION:

M.S.	University of Alabama in Huntsville 1986 Computer Science
M.S.	University of Alabama in Huntsville 1975 Physics
B.A.	Berry College, Mount Berry Ga. Physics
B.A.	Berry College, Mount Berry Ga. Math

ACADEMIC EXPERIENCE

Adjunct Lecturer: The University of Alabama in Huntsville
Computer Science
1980 – 1991
Courses Taught: FORTRAN, Assembly Language, Pascal

2001 – Current
Courses Taught: Introduction to Computing, C Programming, C++ Programming

NON-ACADEMIC RESEARCH EXPERIENCE (Retired from full time work in 2012)

Sr. Research Scientist The University of Alabama in Huntsville
Global Hydrology Research Center

1996 – 2012 Information Technology and Systems Science (Full Time)

- *Principle Investigator* for the Global Hydrology Resource Center (GHRC) - one of NASA's interconnected NASA Earth Science data systems.
- *Principle Investigator* for the UAH component of NASA's SEVIR program – whose goal was to place NASA earth science data in the hands of local officials and scientists for environmental monitoring and natural disaster response.
- *Principle Investigator* for the UAH component of NASA's atmospheric research survey missions – eight missions lasting several weeks each involving research aircraft, satellite and earth based instruments for the study of severe storms and arctic conditions.

1991 – 1995 The University of Alabama in Huntsville (Full Time)

- Distributed computer systems designer on the data management portion of NASA's Mission to Planet Earth program
- Participated on NASA committee for the selection of data standards
- Team leader for UAH component of NASA's Earth Observation System Distributed Information System (EOSDIS) – the first version of NASA's data system for management and distribution of earth science data.

1975- 1990 General Research Corporation (Full Time)

- *Technical Manager* of a $10 million engineering support contract that provided research and engineering support services to the Army's Advanced Research Center (ARC).
- *Principle Investigator* for a study of fault detection and recovery in a distributed multi-processor interconnected systems

- Researcher in the area of distributed computer systems and networks.

PROFESSIONAL ORGANIZATIONS

American Geophysical Union

PUBLICATIONS AND PRESENTATIONS (2010 – 2012)

"Detecting Suspended Sediments from Remote Sensed Data in the Northern Gulf of Mexico", Hardin D, Ebersole S, Hawkins L, He M, Smith T, Drewry M, American Geophysical Union Annual Meeting, San Francisco, CA; Dec. 2012.

"Processing Direct Broadcast Data to reduce Latency of Aqua AMSR-E Products"; Regner K, Hardin D, Beaumont B, Teague M; American Geophysical Union Annual Meeting, San Francisco, CA; Dec. 2011.

"Collaboration Portals for NASA's Airborne Field Campaigns"; Hardin D, Kulkarni A, Garrett M, Goodman M, Petersen W, Drewry M, He M., American Geophysical Union Annual Meeting, San Francisco, CA; Dec. 2011.

"Collaboration Tools and Technologies for Scientific Field Campaigns"; Hardin D, He M, Garrett M, Smith T. Internet2 Conference, Atlanta, GA; 2010.

"A Data and Information System for Arctic Research."; Tanner S, Hardin D, American Geophysical Union Annual Meeting, San Francisco, CA; Dec. 2010.

"SANDS - Sediment Analysis Network for Decision Support."; Hardin D, Ebersole S, Hawkins L, He M, American Geophysical Union Annual Meeting, San Francisco, CA; Dec. 2010.