



## **Dr. Daniel B. Carr, Professor**

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**Daniel Carr** earned his Ph.D. degree in statistics from the University of Wisconsin, Madison (USA) in 1976. He received an M.S. in statistics and M.Ed. in counseling from Oregon State University and Idaho State University, respectively, in 1972. This occurred while teaching high school mathematics for four years. (In 1970 he introduced a computer programming class.) He earned a BA in mathematics and psychology from Whitman College in 1968.

### Work Experience

1976-1990      Research Scientist: Pacific Northwest National Laboratory (Battelle Northwest)

1990-Present   Associate and Full Professor, George Mason University

His research interests involve statistical graphics and both scientific and information visualization. This scope of these interests includes algorithms that support tasks such as communication, exploration, modeling, evaluation, searching and prioritization. The scope also includes graphics design based on expert opinion, studies of human perception and cognition, and usability studies.

His areas of application have emphasized human health and the environment while also addressing a wide range of topics including genomics and proteomics. A long term goal has been to advance the use of statistical graphics by the US Federal Statistical Agencies. There has been some success. (See <http://statecancerprofiles.cancer.gov/micromaps/>)

His visualization software development includes Explor4, ExplorN, Link Micromaps, CCmaps, DPnets and GLISTEN and other designs implemented in Splus or R. His class on scientific and statistical visualization has reached over 400 Ph.D. students. He has more than hundred publications, mostly related to visualization.

He is a Fellow of the American Statistical Association. He was chair elect when the Statistical Graphics section was formed and has served in some capacity almost every year since.

His historical hobbies have included playing table tennis, singing, and raising children.