[Stan Ahalt](#)

Faculty at UNC-Chapel Hill

Chapel Hill, NC, US

Director, Renaissance Computing Institute and Professor, Department of Computer Science

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Stanley C. Ahalt is director of the Renaissance Computing Institute (RENCI), professor of computer science at the University of North Carolina at Chapel Hill, the associate director of the Biomedical Informatics Service for the North Carolina Translational and Clinical Sciences Institute (NC TraCS), and the former director of the NC TraCS Biomedical Informatics Service. He is co-principal investigator for the South Big Data Regional Innovation Hub (South BD Hub), a National Science Foundation effort to build public-private partnerships that address regional big data challenges. As director of RENCI, he was instrumental in launching two major data science initiatives: The National Consortium for Data Science (NCDS), a public-private partnership to address big data challenges and opportunities in research and business; and iRODS, an effort to develop the popular integrated Rule-Oriented Data System as enterprise-quality software, complete with rigorous testing and a robust, feature-rich code base. Dr. Ahalt serves as a member of the executive board of the iRODS Consortium, an international group focused on long-term sustainability of the iRODS data management platform. He is also a co-PI with the DataNet Federation Consortium, a National Science Foundation project to prototype an integrated platform for sharing, using and managing data across distances and scientific fields. Other leadership roles include past chair of the Coalition for Academic Scientific Computing, former co-chair of the Ohio Broadband Council, extramural member of the National Cancer Institute?s Advanced Biomedical Computing Center?s Oversight Committee, member of the Council on Competitiveness High Performance Computing Advisory Committee, and board member of the Clemson University Research Foundation.

Keynote, Moderator, Panelist, Workshop

Computer Software, Computer Networking, Computer Hardware

Data Analysis, High Performance Computing, Data Science, Public-Private Partnerships, Signal Processing, Big Data, Data Management, Data Mining, Data Streaming, Deep Learning

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IEEE Computer Society, Coalition for Academic Scientific Computation (CASC) , Council on Competitiveness High Performance Computing Advisory Committee, Clemson University Research Foundation

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Front Line Genomics ? Transitional and Clinical Genomics
Front Line Genomics ? Transitional and Clinical Genomics Festival

Data and Software Citation Workshop
NSF Data and Software Citation Workshop

Breaking Down Big Data
Carolina Honors Food for Thought Program

Clemson University
Ph.D. Electrical and Computer Engineering

Virginia Tech
M.S. Electrical Engineering

Virginia Tech
B.S. Electrical Engineering

The National Consortium for Data Science (NCDS)
As RENCI director, Dr. Ahalt founded the NCDS, a public-private partnership to address the challenges and opportunities related to big data. See www.datascienceconsortium.org for more information.

iRODS Consortium
As director of RENCI, Dr. Ahalt led the effort to develop the integrated Rule Oriented Data System (iRODS) as enterprise-quality data management software. He also started the iRODS Consortium, a membership-based organization that helps sustain and develop iRODS.

DataNet Federation Consortium
co-PI with the DataNet Federation Consortium, a National Science Foundation project to prototype an integrated platform for sharing, using and managing data across distances and scientific fields.

South Big Data Regional Innovation Hub
Named co-Principal Investigator of the National Science Foundation's South Big Data Regional Innovation Hub (with Georgia Tech). The South BD Hub is one of four regional hubs named by the NSF.

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