

Charlie Catlett Biography

Charlie Catlett is a Senior Computer Scientist at Argonne National Laboratory, a U.S. Department of Energy scientific research laboratory. Catlett is also a Senior Fellow at the Computation Institute of the University of Chicago and Argonne National Laboratory, and a Visiting Artist at the School of the Art Institute of Chicago. His current research focus areas include urban data science, cyber security and privacy, mobile devices and social networks, and the use of mobile and embedded computing to create intelligent infrastructure. He served as Argonne's Chief Information Officer from 2007-2011.

From 2004 through 2007 he was director of the TeraGrid Initiative, a national-scale facility supported by the National Science Foundation.

In 1999 Charlie co-founded the Global Grid Forum, (now Open Grid Forum) serving as its founding chair from October 1999 through September 2004. Concurrently, he directed the State of Illinois funded I-WIRE optical network project, deploying dark fiber and transport infrastructure to ten institutions in Illinois. I-WIRE today provides over 200 Gb/s of lambda and dark fiber resources to major projects including TeraGrid, the Starlight international optical network hub, Optiputer, and ESnet.

Prior to joining Argonne in 2000, Charlie was Chief Technology Officer at the National Center for Supercomputing Applications (NCSA). As part of the original team that established NCSA in 1985, Charlie participated in design, deployment, and evolution of NSFNET, which was one of several early national networks that collectively evolved into today's Internet. Beginning in 1992 his team designed and operated NCSA's web infrastructure during the exponential growth of the web following NCSA's release of the Mosaic web browser.