

Dear Colleagues,

Please join the NITRD **FASTER** Community of Practice for an informative presentation and discussion with Dr. Vinton G. Cerf, Vice President and Chief Internet Evangelist for Google. Dr. Cerf will share his perspectives regarding the challenge of long-term preservation of digital information semantics.

Please join us on **Friday, August 12, 2016 from 10:00 to 11:30am (ET); in NSF Room I-1235.**

Please distribute this announcement and post to your agency bulletin boards.

Digital Vellum and the challenge of long-term preservation of digital information semantics

Date: Friday, August 12, 2016

Time: 10:00 to 11:30 am (ET)

Location: National Science Foundation
4201 Wilson Boulevard, Arlington, Virginia 22230
Room I-1235
(Directions to NSF are at: <http://www.nsf.gov/about/visit/>.)

If you plan to attend in person, please RSVP to meetings@nitrd.gov to facilitate NSF visitors' badging process. An NSF visitor's badge is required for this presentation.

Before proceeding to the meeting space in Stafford I – Rm. 1235, you must first obtain a visitor's badge at NSF Information and Conference Center Desk. It is located on the first floor of Stafford Place I at the N. Stuart and 9th Streets entrance. Once you have obtained your visitor's badge, please proceed to the meeting location on the 12th floor – Rm. 1235/NSF Boardroom.

Remote participation is available. Instructions to join our meeting remotely using WebEx are at the end of this message.

Abstract

We digitize our images and sounds and texts in the expectation that this somehow provides these objects with immortality. Sadly, we may, instead, be creating a digital dark age in which our descendants will know nothing of our history and the products of our society. The physical media for digital storage may degrade; the ability to read the stored bits may be lost; the ability to correctly interpret the bits and render them or execute them may be lost. Operating systems, hardware and applications may no longer work for a variety of reasons. Companies and their proprietary software may go out of business and their products not work on computers in the future. Virtual machines and cloud computing may have a role to play but legal regimes and business models will also determine whether long-term preservation is feasible.

About The Speaker

Dr. Vinton G. Cerf
Vice President and Chief Internet Evangelist
Google



Vinton G. Cerf is vice president and Chief Internet Evangelist for Google. He contributes to global policy development and continued spread of the Internet. Widely known as one of the "Fathers of the Internet," Cerf is the co-designer of the TCP/IP protocols and the architecture of the Internet. He has served in executive positions at MCI, the Corporation for National Research Initiatives and the Defense Advanced Research Projects Agency and on the faculty of Stanford University.

Vint Cerf served as chairman of the board of the Internet Corporation for Assigned Names and Numbers (ICANN) from 2000-2007 and has been a Visiting Scientist at the Jet Propulsion Laboratory since 1998. Cerf served as founding president of the Internet Society (ISOC) from 1992-1995. Cerf is a Foreign Member of the British Royal Society and Swedish Academy of Engineering, and Fellow of IEEE, ACM, and American Association for the Advancement of Science, the American Academy of Arts and Sciences, the International Engineering Consortium, the Computer History Museum, the British Computer Society, the Worshipful Company of Information Technologists, the Worshipful Company of Stationers and a member of the National Academy of Engineering. He currently serves as Past President of the Association for Computing Machinery, chairman of the American Registry for Internet Numbers (ARIN) and completed a term as Chairman of the Visiting Committee on Advanced Technology for the US National Institute of Standards and Technology. President Obama appointed him to the National Science Board in 2012.

Cerf is a recipient of numerous awards and commendations in connection with his work on the Internet, including the US Presidential Medal of Freedom, US National Medal of Technology, the Queen Elizabeth Prize for Engineering, the Prince of Asturias Award, the Tunisian National Medal of Science, the Japan Prize, the Charles Stark Draper award, the ACM Turing Award, Officer of the Legion d'Honneur and 29 honorary degrees. In December 1994, People magazine identified Cerf as one of that year's "25 Most Intriguing People."

His personal interests include fine wine, gourmet cooking and science fiction. Cerf and his wife, Sigrid, were married in 1966 and have two sons, David and Bennett.

Instructions to join our meeting remotely using WebEx

To join the online meeting

1. Go to the following link:
<https://nitrd.webex.com/nitrd/j.php?MTID=m5ea93a125ebbde6e68e44b657afcd89b>
2. If requested, enter your name and email address.
3. If a password is required, enter the meeting password: 4873
4. Click "Join".

If you are joining from a mobile device using the WebEx app:

Meeting number: 800811782

Meeting password: 4873

To join the audio conference

Dial-in: 1-866-829-0754

password: 1285886

You will be joined to the audio bridge in listen-only mode until Q&A is announced.

*Participants joining from international locations will need to obtain a global access dial-in number by calling the NCO/NITRD, (703) 292-4873 in advance of the meeting.