

DAVID CORMAN, PH.D.

Program Director Cyber Physical Systems (CPS), Smart and Connected Communities (S&CC), and CIVIC Innovation Challenge Programs
National Science Foundation



Bio: Dr. David Corman is the Program Director leading Cyber Physical Systems (CPS), Smart and Connected Communities (S&CC), and CIVIC Innovation Challenge Programs for the National Science Foundation. The CPS program is a cross-disciplinary and inter-agency program and seeks to reveal cross-cutting, fundamental scientific and engineering principles that underpin the integration of cyber and physical elements across all application domains including autonomous systems, manufacturing, energy, civil and mechanical engineering, and agriculture.

The Smart and Connected Communities(S&CC) program was started by NSF in 2016. The goal of this program is to support strongly interdisciplinary, integrative research and research capacity-building activities that will improve understanding of smart and connected communities and lead to discoveries that enable sustainable change to enhance community functioning. The focus here is not simply on cities – but on cities, towns, and rural regions. Whereas S&CC looks to develop foundational research, CIVIC looks to accelerate the transition of the research through community partnership and impactful pilots.

Dr. Corman joined NSF 2013. He previously worked for McDonnell Douglas / Boeing in a variety of research positions. Dr. Corman was chief scientist in the Network Systems Technology for Boeing Research and Technology during the period from 2007 – 2013. His responsibilities also included development and leadership of research projects in cybersecurity for airplane and avionics systems.

Dr. Corman obtained a dual BS degree in System Science and Mathematics and Applied Mathematics and Computer Science from Washington University in St. Louis. He then obtained a dual MS degree in SSM and Mechanical Engineering from Washington University. He completed his graduate education at the University of Maryland – College Park and obtained a PhD in Electrical Engineering with a major in controls and minor in communications and applied mechanics.