



**Ken Christensen** is Professor and Associate Dean of Academic Affairs (starting in May 2025) in the Bellini College of AI, Cybersecurity and Computing at the University of South Florida. His research interests are at the intersection of networks and energy in the area of energy-efficient computing and communications systems, and application of communications to improve the storage, distribution, and use of energy in small grids. In the past 20 years, Ken has made contributions to Energy Efficient Ethernet (EEE) and proxying for network connectivity. This work has contributed to IEEE and Ecma standards, and to EPA Energy Star specifications. This research has been funded by NSF, Cisco, Google, and KETI. Ken has graduated eight PhD students and 25 MS students. Six of his PhD graduates have become tenured

faculty in US and Latin American universities.

Ken is one of the founders, and currently President, of *The Pledge of the Computing Professional* – an organization founded in 2011 to promote and recognize the ethical and moral behavior and responsibilities of graduates of computing-related degree programs. There are 80 US institutions that are members of the Pledge. Ken hosted the IEEE Local Computer Networks (LCN) conference in the Tampa Bay area in 2000, 2001, 2002, 2004, 2012, and 2015. Ken was the editor-in-chief of the *International Journal of Network Management* from 2007 to 2011. He was also a subject area editor for *IEEE IT Professional* magazine and an editorial board member of *Telecommunication Systems* and *Computer Communications*. In 2004 he was a visitor in the Department of Communication Systems at Lund University in Sweden. In 1998 and 1999 he was a NASA Summer Faculty Fellow at KSC.

Ken received the PhD in Electrical and Computer Engineering from North Carolina State University in 1991, MS from North Carolina State University in 1983, and BS from the University of Florida in 1981. From 1983 to 1995 he was employed at IBM RTP. In 2018 he was invited to be a member of the USF College of Engineering Academy of Distinguished Engineering Educators. In 2017 he was awarded a USF Kosove Distinguished Undergraduate Teaching and Service Award. In 2009 he was awarded a USF Excellence in Innovation Award and inducted into the Academy of Inventors. In 1999 he was awarded a CAREER grant from the National Science Foundation. He was selected for a 1998 State of Florida Teaching Incentive Program (TIP) award and a University of South Florida 1996/1997 Outstanding Undergraduate Teaching Award. He has over 100 journal and conference publications and 13 U.S. patents. Ken is an ABET EAC program evaluator. Ken is a licensed Professional Engineer in the state of Florida, a Senior Member of IEEE, and a member of ACM and ASEE.

#### **Selected publications:**

- M. Esmali and K. Christensen, “Performance Modeling of Public Permissionless Blockchains: A Survey,” *ACM Computing Surveys*, Volume 57, Issue 7, Article No. 174, pp. 1-35, February 2025.
- S. Malla and K. Christensen, “The Effect of Server Energy Proportionality on Data Center Power Oversubscription,” *Future Generation Computer Systems*, Vol. 104, pp. 119-130, January 2020.
- B. Nordman and K. Christensen, “DC Local Power Distribution: Technology, Deployment, and Pathways to Success,” *IEEE Electrification Magazine*, Vol. 4, No. 2, pp. 29-36, June 2016.
- K. Christensen, P. Reviriego, B. Nordman, M. Bennett, M. Mostowfi, and J. A. Maestro, “IEEE 802.3az: The Road to Energy Efficient Ethernet,” *IEEE Communications*, Vol. 48, No. 11, pp. 50-56, November 2010.