Dr. Jim Kurose's Bio

Dr. Jim Kurose is the Assistant Director of the National Science Foundation (NSF) for the Computer and Information Science and Engineering (CISE). He leads the CISE Directorate, with an annual budget of more than $900 million, in its mission to uphold the nation's leadership in scientific discovery and engineering innovation through its support of fundamental research in computer and information science and engineering and transformative advances in cyberinfrastructure. Dr. Kurose also serves as co-chair of the Networking and Information Technology Research and Development Subcommittee of the National Science and Technology Council Committee on Technology, facilitating the coordination of networking and information technology research and development efforts across Federal agencies.

Dr. Kurose is on leave from the University of Massachusetts Amherst (UMass Amherst), where he is a Distinguished Professor in the College of Information and Computer Sciences. He has also served in a number of administrative roles at UMass Amherst including Chair of the Department of Computer Science, Interim Dean and Executive Associate Dean of the College of Natural Sciences and Mathematics, and senior faculty advisor to the vice chancellor for research and engagement. In addition, Dr. Kurose has been a Visiting Scientist at IBM Research, INRIA, Institut EURECOM, the University of Paris, the Laboratory for Information, Network and Communication Sciences, and Technicolor Research Labs.

His research interests include computer network protocols and architecture, network measurement, sensor networks, multimedia communication, and modeling and performance evaluation. He was one of the founders of the Commonwealth Information Technology Initiative (CITI) and helped lead the founding of the Massachusetts Green High Performance Computing Center. Dr. Kurose has served on many national and international boards and panels, including the Board of Directors of the Computing Research Association and the Board of Governors of the IEEE Communications Society. With Keith Ross, he is the co-author of the textbook, *Computer Networking, a Top Down Approach* (7th edition, 2016) published by Pearson. He has received numerous awards for his research and teaching. He is the recipient of several conference best paper awards, the IEEE Infocom Achievement Award, the ACM Sigcomm Lifetime Achievement Award, and the ACM Sigcomm Test of Time Award. He is the recipient of a number of outstanding teaching awards, and the IEEE CS Taylor Booth Education Medal. He has twice received an IBM Faculty Development Award and a Lilly Teaching Fellowship.

Dr. Kurose received his Ph.D. in computer science from Columbia University and a Bachelor of Arts degree in physics from Wesleyan University. He is a Fellow of the Association for Computing Machinery (ACM) and the Institute of Electrical and Electronic Engineers (IEEE).