



Short Bio: Madhav Marathe is the Director of the Network Dynamics and Simulation Science Laboratory at the Virginia Bioinformatics Institute and Professor of Computer Science at Virginia Tech. Before coming to Virginia Tech, he was a Team Leader in the Computer and Computational Sciences division at the Los Alamos National Laboratory where he led the basic research programs in foundations of computing and high

performance simulation science for analyzing extremely large socio-technical and critical infrastructure systems. He has published more than 200 research articles in peer reviewed journals, conference proceedings, and books, and has over ten years of experience in project leadership and technology development, specializing in high performance computing algorithms and software environments for simulating and analyzing socio-technical network science. He is a Fellow of the IEEE, ACM and AAAS.

Extra stuff that can be edited/added above if there's space in the desired word count.

Research interests: network science, population dynamics, communication networks, computational epidemiology, design and architecture of the data grid, design and analysis of algorithms, computational complexity, design of services-oriented architectures, high performance computing, and socio-technical systems.

Honors: He is the recipient of the Distinguished Copyright award for TRANSIMS software, Los Alamos National Laboratory's achievement award, a recipient of the University at Albany Distinguished Alumni Award and 2010 Award for Research Excellence, Virginia Bioinformatics Institute. He is the 2011 Inaugural George Michael Distinguished Scholar at the Lawrence Livermore National Laboratory. In 2013 he became an ACM Fellow and IEEE Fellow. In 2014, he was named an AAAS Fellow.