

NY IEEE Education Committee & New York Chapter of IEEE Systems, Man, Cybernetics
(SMC) Society

Present

**Net Neutrality:
Cooperation and Competition**

**Vishal Misra, IEEE Fellow
Professor of Electrical Engineering and Computer Science
Columbia University**

March 31, 2017, Friday, Time: 6:00 to 8:00 PM

at Long Island University, Brooklyn Campus, New York, (Seminar Room: HS119)

Abstract:

The issue of Network Neutrality has ignited considerable public debate recently. While the term and much of the discussion originated in the legal community, we started looking at it from an engineering and networking perspective a few years ago. We employed the lens of cooperative game theory and a careful modeling of the Internet including the topology, peering relationships and protocols used on the Internet. Our primary conclusion is that Network Neutrality should be expressed in terms of how you treat competition, not in how you treat packets and we proposed a definition of Network Neutrality that expresses that. We present some of our results including our prediction back in 2008 of a rise in paid peering (last year Netflix signed paid peering arrangements with all 4 of the top broadband providers in the US), the inadequacies of the Network Neutrality regulation in the US and the recent regulations in India, where the regulations are consistent with our definition of Network Neutrality.



Distinguished Lecture Speaker Bio: Vishal Misra is a Professor Electrical Engineering and Computer Science with Columbia University. He is a Founder & Chief Scientist, Infinio, a market leader in storage acceleration. In 2011 he founded Infinio. After raising \$24 million from top-tier venture capital firms and hiring a professional executive team, he transitioned to the role of Chief Scientist for the company. Prof. Misra is also an avid cricket fan and one of the founders of Cricinfo. He has received an NSF CAREER Award, a DoE CAREER Award, and Google and IBM Faculty Awards. He is an IEEE Fellow, an Associate Editor, Journal of the ACM and Chair, ACM SIGMETRICS, special interest group on performance evaluation.

Location:

Long Island University, Brooklyn Campus, New York, Room HS 119
1 University Plaza, Brooklyn, NY 11201-5372

Directions: <http://www.liu.edu/Brooklyn/About/Visit/Directions.aspx>

*All are invited * All are invited * All are invited*