

*EEC273/ECS258 Guest Seminar*

Title: **OpenFlow/Software-defined networking (SDN)**  
Speaker: **Srini Seetharaman, Deutsche Telekom R&D Lab**

When: Tue Feb 7, 1:40pm  
Where: 1062 Bainer Hall  
Host: Chen-Nee Chuah

**ABSTRACT:**

Software-defined networking (SDN) is an emerging paradigm that enables innovation in all kinds of networks. Key attributes of SDN include: separation of data and control planes; a uniform vendor-agnostic interface between control and data planes called OpenFlow; a logically centralized control plane; and slicing and virtualization of the underlying network. Following the launch of the [www.opennetworkingfoundation.org](http://www.opennetworkingfoundation.org), OpenFlow is being widely embraced by the industry and GENI. This talk introduces OpenFlow/SDN architecture, discusses how it enables network virtualization, and provides further details of its evolution.

**BIOGRAPHY:**

Srini Seetharaman is the Tech Lead for Software-defined Networking and a Senior Research Scientist with Deutsche Telekom R&D Lab (Los Altos, CA). Previously he was a member of the Clean Slate Lab at Stanford University where he lead the OpenFlow deployment activities in the US as part of the GENI initiative. He holds a Ph.D. in Computer Science from the Georgia Institute of Technology and a Masters degree in Computer Science from The Ohio State University. His research interests include networking architectures and protocols, overlay networks, network/traffic monitoring and green technologies.

URL: <http://www.stanford.edu/~seethara/>