

**Title: NFV and SDN for Next Generation Telecommunication Networks**

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**Abstract:** This talk will provide an overview of two recent trends in computer networking, namely, Network Function Virtualization (NFV) and Software Defined Networking (SDN). The talk will then talk about how the ideas of NFV and SDN are being used in telecom networks like 5G networks today. We will discuss some recent research from our group that addresses the challenges in designing telecom networks using the principles of NFV and SDN. We will also provide some lessons on how to design future telecom networks to avoid such challenges.