

**WELCOMES YOU TO ATTEND THE PRESENTATION ON:**

***QoE-based Video Communication***

**Date:** **Thursday June 22, 2017**

**Time:**

6:30 PM – Pizza + Social Networking

7:00 PM – Presentation

**Location:**

Jacaranda Hall Room 4440  
College of Engineering & Computer Science  
California State University, Northridge  
18111 Nordhoff Street  
Northridge, CA 91330

**No Fee:** Free pizza and light refreshments  
from 6:30 PM

**RSVP at** [ma@eventbrite.com](mailto:ma@eventbrite.com)

by June 19, 2017 for food/drink count

**Information:**

Mr. Ron Olch, Chapter Chair at  
[ronald.h.olch@ieee.org](mailto:ronald.h.olch@ieee.org)  
Mr. Afshin Amini, Chapter Vice Chair at  
[aamini@rocketmail.com](mailto:aamini@rocketmail.com)

**Speaker: Liangping Ma**



**Member of Technical Staff at InterDigital**

**Abstract**

Abstract: Modern video communication, including video streaming and interactive video communication, is playing an increasingly important role in our everyday life. In fact, it is estimated to account for as much as 70% of the total network traffic. In this talk, we look at the underlying technologies and various design approaches to optimizing the Quality of Experience (QoE) of the video. We cover a wide range of technologies, from the commercially deployed ones including DASH, WebRTC, Wi-Fi and LTE to those currently being studied in the context of 5G. We share our outlook on the technical challenges for video communication.

**Speaker Biography**

Liangping Ma is a Member of the Technical Staff with InterDigital, Inc., a mobile technology company. His current research interests include 5G radio access networks, ultra-reliable and low-latency video communication, and cognitive radios. He led the research on Quality of Experience (QoE) based optimization for video streaming and interactive video communication. Prior to 2009, he was with San Diego Research Center and Argon ST (acquired by Boeing), where he led research on cognitive radios and wireless sensor networks and served as the principal investigators of two projects supported by the Department of Defense and the National Science Foundation. He is the co-inventor of more than 40 patents and the author/co-author of more than 50 journal and conference papers. He has been the Chair of the San Diego Chapter of the IEEE Communication Society since 2014. He received his PhD from University of Delaware in 2004 and his B.S. degree from Wuhan University, China, in 1998.