

# IEEE Distinguished Lectures

## Scaling Adaptive Streaming Systems with Network Support

Italy – March 2017



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Politecnico di Bari

Host: Prof. Saverio Mascolo



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Host: Prof. Dajana Cassioli

### Abstract

HTTP adaptive streaming (HAS) has become the technology of choice for delivering video content over the Internet. In the first part of the lecture, we first describe the existing and emerging HAS service models along with all the workflows for content generation, distribution and consumption, then show that when multiple HAS clients share a network bottleneck, bad things happen. In the second part, we present a number of network-based solution approaches to address these problems. Throughout the lecture, we review recent research findings and discuss future directions in this space.

### Visit and Talk Schedule

- March 6, 7 and 8<sup>th</sup>: Polytechnic University of Bari  
Talk: **Venue, date/time**
- March 9 and 10<sup>th</sup>: University of Catania  
Talk: **Venue, date/time**
- March 13 and 14<sup>th</sup>: University of Naples Federico II  
Talk: **Venue, date/time**
- March 15 and 16<sup>th</sup>: University of Rome Tor Vergata  
Talk: **Venue, date/time**
- March 17<sup>th</sup>: University of L'Aquila  
Talk: **Venue**, March 17<sup>th</sup>, 10am

In addition to the lectures, Dr. Begen will be happy to meet with the faculty, researchers and students. Please make an appointment in advance by emailing [cassioli@ieee.org](mailto:cassioli@ieee.org) and [acbegen@ieee.org](mailto:acbegen@ieee.org).

### Sponsors



*Vehicular Technology/Communications Society*  
*Joint Chapter Italy Section*



### Biography

Ali C. Begen recently joined the computer science department at Ozyegin University. Previously, he was a research and development engineer at Cisco, where he has architected, designed and developed algorithms, protocols, products and solutions in the service provider and enterprise video domains. Currently, in addition to teaching and research, he provides consulting services to industrial, legal, and academic institutions. Begen has a Ph.D. in electrical and computer engineering from Georgia Tech. He is a senior member of IEEE and the ACM.