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2nd International Conference and Business Expo on

Wireless & Telecommunication

April 21-22, 2016   The Oberoi Centre, Dubai, UAE

Mobile video delivery: Challenges and opportunities

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With the development of smart phones, video streaming over mobile wireless networks has rapidly taken a huge growth in the recent years. The aim of this presentation is to provide an overview of the mobile video streaming background. In addition, I will highlight a set of the current open research challenges in delivering streaming videos over cellular networks and possible ways to tackle those problems. In particular, the content of this presentation will be organized into four sections. The first section will provide an overview of the set of platforms that are focused on providing scalable performance for mobile video delivery. The second section will discuss some important challenges for efficient mobile video delivery and consider some potential solutions as well. The third section will discuss an adaptive multiview video streaming that exhibits resilience to network bandwidth variations and client view selection uncertainty. Finally, a discussion of open research challenges, the main obstacles, and future research directions will be presented in the last section.

Biography

Ashraf A Taha is a Researcher in Informatics Research Institute. He has participated with Fuijitsu Company as an Executive for exchange of the main structure of the Internet by wireless network with security solutions and applying VOIP application to the network for Institute. He holds BS in Electronics Engineering, MSc in Computer Science & Engineering, PhD in Electrical Engineering, and Postdoctoral in Video Streaming over Internet from Louisville University, Kentucky, USA. He currently works as an Assistant Professor in College of Computer & Information Sciences, King Saud University, KSA.

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Sensor Netw Data Commun
ISSN: 2090-4886 SNDC, an open access jornual

Wireless 2016
April 21-22, 2016

Volume 5, Issue 2(Suppl)

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