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Scalable and Immersive Multimedia Collaboration Services

Presented by Professor Farzad Safaei - University of Wollongong

Tuesday, 27th September 2016

Non-members: \$15.00; Financial members: No charge (full discount when logged in).

[1]

★ 113^{2]}

This event is fully booked or has passed.

Increasingly, users regard the Internet as a *meeting place*, where they can form communities and interact with groups of people as part of their work, play, education, exhibition, or social interaction with family and friends. This phenomenon is likely to create a significant demand for multiperson-to-multiperson video communications. However, the conventional video conferencing systems cannot scale to support a large number of participants. This lack of scalability is partly *technical* and partly *cognitive*.

In this talk, Professor Farzad Safaei will describe and evaluate both barriers to scalability and demonstrate that these hurdles can be removed in the proposed immersive video conferencing (IVC) system, which is currently released under the trademark of iSee by an Australian start-up. In particular, he provides a demonstration of iSee and its key features, and report on a number of user evaluations, where the proposed system is deployed and used in practice to solve some challenging problems in education delivery. Farzad will then discuss the next generation of immersive multimedia systems, where the nature of multimedia consumption is radically altered to enable a large variety of new applications.

Date and Time

Tue, 27 Sep 2016

12:30 - 14:00 AEST

Location

Telstra Conference Centre
Level 1
242 Exhibition St
Melbourne VIC 3000
Australia

Presenter(s)

Professor Farzad Safaei



[3] Farzad Safaei graduated from the University of Western Australia with the degree of Bachelor of Engineering (Electronics) and obtained his PhD in Telecommunications Engineering from Monash University in 1998. Currently, he is the Professor of Telecommunications Engineering at the University of Wollongong. Before joining the University of Wollongong, he was the Manager of Internetworking Architecture and Services Section in Telstra Research Laboratories. Farzad was the Managing Director of ICT Research Institute, 2008 ? 2013 and the Program Director of the Smart Services Cooperative Research Centre, Australia during 2007 ? 2014.

Farzad's main research interest during the last 12 years has been on advanced multimedia processing and communications, including immersive multimedia and free viewpoint video. He was the co-founder of Spatial Voice Pty Ltd, specializing in 3D voice communication technology in 2006, which was later acquired by Dolby corporation. The product is now released globally under the Dolby Voice brand. He is also the founder and CTO of iSee Video Collaboration (iSeeVC Pty Ltd ? iseevc.com).

Farzad is the winner of a number of awards, including the top Australian and Asia Pacific Awards for ICT R&D in 2012.

Presentation Media

Event Media:

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