

# Overview of Video Coding Standardization for 3D and VR



**講者** : Prof. Dr. Jens-Rainer Ohm

**時間** : 105年10月5日(三) 15:30~16:30

**地點** : 交通大學田家炳大樓1F會議廳103室

## Abstract

The talk will report about standardization that has been defined, or is currently prepared by MPEG, JCT-3V and JVET in the areas of stereoscopic, 3D and 360-degree ("VR") video compression. It will emphasize on the benefits of using redundancy in simultaneous multi-view camera captures, and the possibility on implementing view point changes by using depth information.

## Biosketch

Jens-Rainer Ohm holds the chair position of the Institute of Communication Engineering at RWTH Aachen University, Germany since 2000. His research and teaching activities cover the areas of motion-compensated, stereoscopic and 3-D image processing, multimedia signal coding, transmission and content description, audio signal analysis, as well as fundamental topics of signal processing and digital communication systems.

Since 1998, he participates in the work of the Moving Picture Experts Group (MPEG). He has been chairing/co-chairing various standardization activities in video coding, namely the MPEG Video Subgroup since 2002, the Joint Video Team (JVT) of MPEG and ITU-T SG 16 VCEG from 2005 to 2009, and currently, the Joint Collaborative Team on Video Coding (JCT-VC), as well as the Joint Video Exploration Team (JVET).

Prof. Ohm has authored textbooks on multimedia signal processing, analysis and coding, on communication engineering and signal transmission, as well as numerous papers in the fields mentioned above.

## 承辦單位

國立交通大學電機學院、國立交通大學資訊學院、高階繪圖與立體視訊基礎技術研發中心、教育部「資通訊軟體人才推升推廣計畫」、教育部 3D多媒體跨校資源中心(AR/VR暨3D多媒體)、科技部「電腦視覺監控產學研聯盟推動計畫」