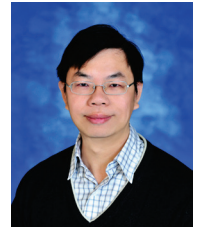# ビジュアルコンピューティングセミナー2015-06

下記の要領で今年度第6回のセミナーを開催しますのでご参集ください．今回は台湾から来日中の研究者2名をお迎えします．会場が日吉ですのでご注意ください．

日　時：2015 年 11 月 24 日（火）13：00〜15：00

場　所：日吉キャンパス来往舎 2F 小会議室

演題1：Video Retargeting: Algorithms, Applications, and Quality Assessment

講　師：Professor Chia-Wen Lin (National Tsing Hua University, Taiwan)

要　旨： Video retargeting from a full-resolution video to a reduced-resolution display will inevitably cause information loss. Content-aware image/video retargeting techniques have been studied to avoid critical visual information loss while resizing an image/video. Maintaining the spatio-temporal coherence of a retargeted video is very critical on visual quality. In this talk, we will first show how to use a panoramic mosaic to guide the scaling of corresponding regions of video frames in a video shot to ensure good spatio-temporal coherence. Second, we will present an objective quality assessment scheme based on geometric distortion and information loss for automatically evaluating the visual quality of a retargeted image. Finally, we will introduce our recent results on simultaneously preserving scene depths and object shapes in stereoscopic image retargeting.

略　歴： Chia-Wen Lin received his Ph.D. degree in electrical engineering from National Tsing Hua University (NTHU), Hsinchu, Taiwan, in 2000. He is currently Professor with the Department of Electrical Engineering, NTHU. Since August 2015, he has been taking a sabbatical leave from NTHU to visit NII, Tokyo, Japan. His research interests include image and video processing, social media, and video networking. Dr. Lin is a Steering Committee member of IEEE Transactions on Multimedia. He has served as Associate Editor of IEEE Transactions on Circuits and Systems for Video Technology, IEEE Transactions on Multimedia, IEEE Multimedia, and Journal of Visual Communication and Image Representation. He was Chair of the Multimedia Systems and Applications Technical Committee of the IEEE Circuits and Systems Society. He is Distinguished Lecturer of Asia-Pacific Signal and Information Processing Association (APSIPA). He served as Technical Program Co-Chair of IEEE ICME 2010, and will serve as General Co-Chair of IEEE VCIP 2018 and TPC Co-Chair of IEEE ICIP 2019.

演題2：Enabling full-body, whole-hand, and context-aware interactions using vision-based wearable interface

講　師：Professor Liwei Chan (Keio University, Japan)

要　旨： Most effective interface is the interface we trained to manage at longest, which is not mouse, but our body. We are born to operate our body when we barely understood anything, and still practice 24 hours. There are opportunities that future mobile devices can take advantage of the well-built human ability to develop natural user interaction - where touch is the least thing we had. This talk covers my latest researches on the development of wide field-of-view vision-based wearable interfaces for full-body, whole-hand, and context-aware interactions.

略　歴：国立台湾大学にて博士号を取得．2011年ドイツHasso-Plattner-Institut, 2013年台湾Academia SincaにてPostdoctoral Researcherとして活動．2014年から2015年まで国立台湾大学Intel Research Centerにてアシスタントリサーチャーをつとめる．2013年, 2014年のACM CHIでそれぞれBest Paper Award, Best Paper Honorable Mentioned Awardを受賞．2015年本学メディアデザイン研究科特任講師に就任．

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