IEEE TVCG Invited Sessions at SIGGRAPH 2015 in Los Angeles on Sunday August 9, 2015

Two special invited sessions will be held at SIGGRAPH 2015 in Los Angeles featuring selected best papers from TVCG on topics of Visualization and of Augmented and Virtual Reality. The selection of the papers has been performed by taking into account topic of interest, as well as quality, coverage and nature of the work. The program of the two sessions is listed below. See also:


from the SIGGRAPH 2015 conference program.

Please participate in this event celebrating some of the best work in TVCG, which can also contribute to foster tighter connections between SIGGRAPH and TVCG in the future.

Leila De Floriani
Editor-in-Chief
IEEE Transactions on Visualization and Computer Graphics

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IEEE TVCG Special Session on Visualization

Sunday, August 9, 2015
9-10:30 am

Session Chair: Charles Hansen, University of Utah, TVCG Associate Editor-In-Chief

ConTour: Data-Driven Exploration of Multi-Relational Datasets for Drug Discovery

Christian Partl, Graz University of Technology
Alexander Le, Harvard University
Marc Streit, Johannes Kepler University Linz
Hendrik Strobelt, Harvard University
Anne-Mai Wassermann, Novartis Institutes for Biomedical Research
Hanspeter Pfister, Harvard University
Dieter Schmalstieg, Graz University of Technology

Learning Perceptual Kernels for Visualization Design

Cagatay Demiralp, Stanford University
Michael S. Bernstein, Stanford University
Jeffrey Heer, University of Washington

Trajectory-based Flow Feature Tracking in Joint Particle/Volume Datasets

Franz Sauer, University of California, Davis
Hongfeng Yu, University of Nebraska, Lincoln
Kwan-Liu Ma, University of California, Davis

Visualization of Brain Microstructure through Spherical Harmonics Illumination of Spatio-Angular Fields
IEEE TVCG Special Session on Augmented and Virtual Reality

Sunday, August 9, 2015
10:45 - 12:15 am

Session Chair: Dieter Schmalstieg, Graz University of Technology, TVCG Associate Editor-In-Chief

Elastic Augmented Reality from a Single View

Nazim Haouchine, INRIA - Computer Science, Lille, France
Jeremie Dequidt, Lille University, Lille, France
Alexander Bilger, INRIA - Computer Science, Lille, France
Marie-Odile Berger, INRIA - Magrit, Nancy, France
Stephane Cotin, INRIA - Shacra, Pas de Calais, France

Augmented Reality Binoculars

Taragay Oskiper, Center for Vision Technologies, SRI International, Princeton, NJ
Mikhail Sizintse, Center for Vision Technologies, SRI International, Princeton, NJ
Vlad Branzoi, Center for Vision Technologies, SRI International, Princeton, NJ
Supun Samarasekera, Center for Vision Technologies, SRI International, Princeton, NJ
Rakesh Kumar, Center for Vision Technologies, SRI International, Princeton, NJ

Extended Depth-of-Field Projector by Fast Focal Sweep Projection

Daisuke Iwai, Osaka University
Shoichiro Mihara, Osaka University
Kosuke Sato, Osaka University

WAVE: Interactive Wave-based Sound Propagation for Virtual Environments

Ravish Mehra, UNC, Chapel Hill
Atul Rungta, UNC, Chapel Hill
Abhinav Golas, UNC, Chapel Hill
Ming Lin, UNC, Chapel Hill
Dinesh Manocha, UNC, Chapel Hill