



CineGrid International Workshop 2015 Program

Workshop organized by Pacific Interface, Inc.
Sponsored by CineGrid, a non-profit organization headquartered in California
Hosted by Calit2's Qualcomm Institute at UC San Diego
Location: Calit2 auditorium, 1st Floor, Atkinson Hall, UCSD, La Jolla, California
Date: December 9-11, 2015

WEDNESDAY, DECEMBER 9, 2015

8:00 Buses depart La Jolla Shores Hotel for Calit2 auditorium, UCSD campus
8:15 Registration and continental breakfast at Calit2

9:00 **Workshop welcome** – Natalie Van Osdol, Pacific Interface
9:05 **Welcoming remarks** – Tom DeFanti, UCSD/Qi

9:15 Bonus Session: Greg Harper's Annual Gadget Review

Session 1: Keynote – Media Culture Evolving – Lev Manovich, CCNY

10:00 Break

10:30 **Session 2: What's new in Ultra HD** – Moderated by Bill Feightner, Colorfront
10:35 UltraHD Blu-Ray, HDR and OLED – Ron Martin, Panasonic Hollywood Labs
10:55 UHD camera and lenses – Larry Thorpe, Canon
11:15 HDR Single Mastering – Gary Demos, Image Essence
11:35 Postproduction Delivery Challenges Today: UHD-HDR – Bruno Munger, Colorfront
11:55 Q&A

12:05 Group Photo

12:15 Lunch (Demonstrations in the Vroom)

2:15 **Session 3: Making New Forms of Content in New Ways** – Moderated by Jurgen Schulze, UCSD/QI
2:20 Integrating 8K in the Lab – Maciej Glowiak, POZNAN Supercomputing and Networking Center
2:40 Immersive Analytics – Todd Margolis, Qlik
3:00 3D Visualization for Archeology – Tom Levy, UCSD/QI
3:20 Q&A

3:30 Break

4:00 **Session 4: Digital Media Archiving** – Moderated by Naohisa Ohta, Keio University
4:05 Digital Archiving for Non-traditional Media – Roger Smith, UCSD Library
4:25 ACES: A Digital Production and Archiving Standard – Andy Maltz, AMPAS
4:45 Czech National Film Archives: Case Study in Collaboration – Michal Krsek, CESnet
5:05 Q&A

5:15 **Session 5: CineGrid Exchange Showcase** – Moderated by Dana Plepys. UIC/EVL

6:00 **Closing Remarks** – Laurin Herr, Pacific Interface

6:05 **Adjourn**

6:15 Bus returns to La Jolla Shores Hotel

6:30 Workshop buffet dinner at the La Jolla Shores Hotel (Acapulco Room, 2nd floor)

THURSDAY, DECEMBER 10, 2015

- 8:00 Buses depart La Jolla Shores Hotel for Calit2 auditorium, UCSD campus
8:15 Registration and continental breakfast at Calit2
- 9:00 **Workshop welcome** – Natalie Van Osdol and Laurin Herr, Pacific Interface
- 9:05 **Session 1: Keynote – Designing for the Future** – Cliff Plumer, JAUNT Studios
- 9:50 **Break**
- 10:20 **Session 2: Immersive Video** – Moderated by Linda Law, Art in the 5th Dimension
10:25 Light Fields for Virtual Reality – Paul Debevec, USC Institute for Creative Technologies
10:45 Light Field Video – Jon Karafin, Lytro
11:05 From Immersive Frames to 3D Scenes – Falko Kuester, UCSD/QI
11:25 Q&A
- 11:35 **Session 3: Immersive Audio** – Moderated by Peter Otto, UCSD/QI/Sonic Arts
11:40 Object-based Audio for TV Production/Broadcast – Steven Silva, 21st Century Fox
12:00 Designing Audio for VR – Steve Morris, Skywalker Sound
12:20 Immersive Audio Techniques for New Media Formats – Andrew Allen, UCSD/QI/Sonic Arts
12:40 Q&A
- 12:50 **Lunch (Demonstrations in the SPAT Lab)**
- 2:50 Session 4: Networked Collaboration I** – Moderated by Maxine Brown, UIC/EVL
[in the Vroom]
2:55 SAGE 2 Update – Jason Leigh, UH/LAVA, and Luc Renambot, UIC/EVL
3:15 Augmented Collaboration: Moving Beyond Face-to-Face Environments – Daisuke Shirai, NTT Network Innovation Labs (Demo)
3:35 Tele-microscopy for Remote Interactive STEM Education – Richard Weinberg, USC/SCA
3:55 Q&A
- 4:05 Break**
- 4:45 Session 5: Networked Collaboration II** – Moderated by Paul Hearty, Sony Electronics
[in the Vroom]
4:50 FOGO Updates: From Video Collaboration to Telehealth Applications – Guido Lemos, LAVID/UFPB and Cicero Inacio da Silva, UNIFESP (Demo)
5:10 JupyterHub for Interactive Data Science Collaboration – Carol Willing, Python Software Foundation
5:30 Opening Portals to the World of Jazz – Mount Allen, SFJAZZ
5:50 UltraGrid – Milos Liska, CESNET
5:50 Q&A
- 6:00 **Closing Remarks** – Laurin Herr, Pacific Interface
6:05 Adjourn
6:15 Bus returns to La Jolla Shores Hotel
6:45 Workshop buffet dinner at the La Jolla Shores Hotel (Acapulco Room, 2nd floor)

FRIDAY, DECEMBER 11, 2015

- 8:00 Buses depart La Jolla Shores Hotel for Calit2 auditorium, UCSD campus
8:15 Registration and continental breakfast at Calit2
- 9:00 **Workshop Welcome** – Natalie Van Osdol and Laurin Herr, Pacific Interface
- 9:05 **Session 1: Keynote: Building A Regional 100G Collaboration Infrastructure** – Larry Smarr, Calit2
- 9:50 Break
- 10:20 **Session 2: 100G SDN Collaboration Infrastructure** – Moderated by Tom DeFanti, UCSD/QI
10:25 Pacific Research Platform Storage Architecture – Rick Wagner, UCSD/SCSD
10:45 Pacific Research Platform and the Pacific Wave SDX – John Hess, CENIC
11:05 ESnet Concept of the Science DMZ – Inder Monga, ESnet (remote)
11:25 Secure Autonomous Response Networks – Cees de Laat, UvA Informatics Institute
11:45 Q&A
- 12:00 **Lunch (SAGE2 “Birds of a Feather” session)**
- 1:30 **Session 3: Prototyping Hollywood in the Cloud**– Moderated by Erik Weaver, USC/ETC
1:35 Global Media Exchange – Jason Sherwood, Equinix
1:55 C4 Identification System – Joshua Kolden, Studio Pyxis
2:15 Securely Making Movies in the Cloud – Ted Harrington, Independent Security Evaluators
2:35 Q&A
- 2:45 Break
- 3:15 **Session 4: Software Defined Media Infrastructure** – Moderated by Louise Ledeen, NetApp
3:20 Software Defined Storage from Production to Archiving – Jason Danielson, NetApp
3:40 Enhanced Media File Transfer – Mark Lidikay, BitSpeed
4:00 Dynamic SDN for Video Transmission – Hiroyuki Kimiyama, NTT Network Innovation Laboratory
4:20 User Controlled Media Operations on Networks Using Content Espresso & Catalogue System – Soichiro Iwai and Daisuke Ando, Keio University
4:40 Q&A
- 4:50 **Closing Panel** – Moderated by Laurin Herr, Pacific Interface
5:30 Adjourn
5:45 Bus returns to La Jolla Shores Hotel

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CineGrid International Workshop 2015 Program Committee

Tom DeFanti, UCSD/Calit2, Qualcomm Institute

Cees de Laat, University of Amsterdam, Informatics Institute

Paul Hearty, Sony Electronics Inc.

Laurin Herr, Pacific Interface, Inc.

Naohisa Ohta, Graduate School of Media Design, Keio University

Peter Otto, UCSD, Department of Music

Natalie Van Osdol, Pacific Interface