CineGrid International Workshop 2014 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 8-10, 2014

CineGrid’s mission is to build an interdisciplinary community that is focused on the research, development and demonstration of networked collaborative tools to enable the production, use, preservation and exchange of very high-quality digital media over photonic networks.

DEMO VENUES:
RED DEMO = UCSD Atkinson Hall Auditorium
GREEN DEMO – UCSD Atkinson Hall Multi-purpose Theatre (Vroom)
BLUE DEMO - UCSD SME

PROGRAM DRAFT – November 25d, 2014

SUNDAY, DECEMBER 7, 2014

5:00 Welcome reception at La Jolla Shores Hotel
7:30 Executive Committee Meeting (CineGrid GOLD members)

MONDAY, DECEMBER 8, 2014

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 Session 1: Keynote – Advances in Digital Motion Picture Quality – Dave Schnuelle, Dolby Labs

10:00 Break

10:30 Session 2: Media in the Clouds – moderated by Naohisa Ohta, Keio University KMD
10:35 Processing Media in Public/Private Clouds – Cees de Laat, UvA
11:00 Live Rendering with Content Expresso and Catalogue – Takeshi Sano, Keio University (Demo)
11:25 ETC Production in the Cloud – Guillaume Aubuchon, Digital Film Tree
11:50    Video Switching in the Cloud – Petr Holub, Masaryk University and Michal Krsek, CESNET (Demo)
12:15    Q&A
12:25    Czech Surprise

12:30    LUNCH and optional Calit2 demonstrations
        TBD demos
        + Optional Working Group / BOF / Project Team luncheons (self-organized)

2:00    Session 3: Advances in IP-based Media Production – Moderated by Paul Hearty, Sony Electronics
2:05    Live Video Production over IP – Hugo Gaggioni, Sony America
2:30    VISIONAIR and the Future of 8K 3D at PSNC – Maciej Glowiak & Maciej Strozyk, PSNC
2:55    Live Streaming 8K over IP from World Cup 2014 – Tatsuya Fujii, NTT Network Innovation Labs
3:20    Pixel Race – Jane de Almeida, Mackenzie University & Leandro Ciuffo, RNP
3:30    Q&A
3:40    Break

4:00    Session 4: Next Generation Displays – moderated by Jeff Weekley, NPS
4:05    Display Quality Measurement and Calibration Tools - Geroge Joblove and Gary Demos TBD
4:30    Next Generation LED displays – Silicon Core speaker - TBD
4:55    Trends in Laser Projection – Peter Lude, RealD / LIPA
5:20    8K projectors – Rod Sterling, JVC America (Demo)
5:45    Q&A
5:55    Closing Remarks: Laurin Herr, Pacific Interface
6:00    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)

TUESDAY, DECEMBER 9, 2014

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
9:50    Session 2: Audio in Collaboration – moderated by Richard Weinberg, USC SCA
9:55    Distributed Musical Performance – Guido Lemos, LAVID/UFPB (Demo)
10:20   Break
10:50   Session 3: Audio in Collaboration – continued
10:55   MDAC Audio for Conferencing over IP networks – Alan Kraemer, ComHear, Inc.
11:20  NWS Plays “City of Sao Paulo”—Jane de Almeida, Mackenzie University & Thiago de Andre, University of Sao Paulo & Tereza Christina Carvalho and Fernando Redigolo, University of Sao Paulo/ANSP & Michael Linville, New World Symphony (Demo)
11:45  Q&A

11:55  Session 2: Remote Collaboration for Media Production - moderated by Andy Maltz, AMPAS - TBD
12:00  Interoperability in Remote Collaboration for Media Production - William Feightner, Colorfront (Demo)
12:25  Q&A

12:35  Group photo @ The Bear (courtyard)

12:45  LUNCH and optional Calit2 demonstrations
WAVElab and Audio Spatialization Lab demos
+ Optional Working Group / BOF / Project Team luncheons (self-organized)

2:00  Session 4: Telemedicine and Remote Medical Education – Moderated by Michal Krsek, CESNET - TBD
2:05  Telemedicine for Stereomicroscopic Ophthalmic Surgery – Guido Lemos, LAVID/UFPB & Cicero Inacio da Silva and Milton Yogi, UNIFESP (Demo)
2:30  Q&A

2:40  Break

3:00  Session 5: Remote Collaboration and Education Platforms (B) – Moderated by Atsushi Takahara, NTT Network Innovation Labs
3:05  Introducing SAGE 2 (Scalable Amplified Group Environment)– Jason Leigh, UH/LAVA & Luc Renambot, UIC/EVL (Demo)
3:30  SAGE 2 Surprise
3:40  Q&A
3:50  GoTime - Todd Margolis, UCSD/QI (Demo)
4:15  Q&A
4:25  RemoCop for Hybrid Collaboration – Daisuke Shirai, NTT Network Innovation Labs (Demo)
4:50  Q&A

5:00  Session 6: Visual and Musical Collaboration - Moderated by Tom DeFanti (VROOM)
5:05  Making of “Vishwaroop” – Vibeke Sorenson, Nanyang Technological University (Demo)
5:30  Q&A

5:40  Closing Remarks: Laurin Herr, Pacific Interface
5:45  Adjourn
6:00  Bus returns to La Jolla Shores Hotel
6:30  Workshop buffet dinner at the La Jolla Shores Hotel (Acapulco Room, 2nd floor)

WEDNESDAY, DECEMBER 11, 2014

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: Virtual World Building – Paul Debevec, USC

9:50  Break

10:05  Session 2: Approaches to Immersive Audio – moderated by Elizabeth Cohen, Cohen Acoustical /AMPAS
10:20  Immersive Sound Design for Cinema – Brian Long, Skywalker Sound
10:50  3D Object Sound Design – Peter Otto, UCSD/Sonic Arts & John Kellogg, DTS (Demo)
11:15  Q&A

11:25  Session 3: The Quest for Virtual Reality Displays – Moderated by Jose Dias, TV Globo - TBD
11:30  Considering Next Generation Head Mounted Displays - Jurgen Schulze, UCSD/Qi
11:55  Q&A

12:05  Move to SME Building

12:20  WAVE-based Group Viewing of Individual HMD Experience - Jurgen Schulze, UCSD/Qi (Demo)

12:20  LUNCH @ SME - while WAVE + HMD demo continues

1:30  Move back to Atkinson Hall

1:45  Session 4: Cameras to Virtualize Visual Reality – Moderated by Maxine Brown, UIC/EVL
1:50  State of the Art in Digital Motion Picture Cameras – Dave Stump, ASC
2:15  Structure from Motion (SfM) and LiDAR – Dan Sandin, UIC/EVL
2:40  Multi-camera capture and analysis for light-field immersive experiences – Harlyn Baker, University of Heidelberg/HCI
3:05  Cameras for Immersive Entertainment – Tom Annau, Jaunt VR
3:30  Advanced Optics Research for Next Generation Cameras - Joe Ford, UCSD/PSL TBD
3:55  Q&A

4:05  Break

4:30  Session 5: New Media Workflows – Moderated by Cees de Laat, UvA
4:35  Open Standard BluRay Distribution of HDR 4K/UHDTV– Ron Martin, Panasonic Hollywood Lab
5:00  8K Immersive Advertising – Jeff Cohen, Industrial Media Platforms (Demo)
5:25  Q&A

5:35  Wrap-up Panel Discussion - Moderated by Laurin Herr, Pacific Interface

6:00  Adjourn
6:15  Bus returns to La Jolla Shores Hotel
7:00  “Dutch-treat” Dinner

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CineGrid International Workshop 2014 Program Committee Additional members TBD
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, Inc.