



CineGrid Brasil 2014

Schedule

Red presentations include technology demonstrations

Organized by Cicero Inacio da Silva, Jane de Almeida, Laurin Herr, Luis Fernandez Lopes, Natalie Van Osdol, Tereza Cristina Carvalho, Thiago de André.

Sponsored by University of São Paulo, CAPES, CNPq, Mackenzie University and ANSP.

Hosted by the University of São Paulo Medical School (FMUSP).

University of São Paulo (USP)

Location: Main auditorium, Avenida Dr. Arnaldo, 455, Cerqueira César, São Paulo, SP.

Date: August 28-29, 2014

August 28 - Thursday

10:30 Registration

11:00 WELCOME - Opening and Program Outline

Juca Ferreira (Municipal Secretary of Culture, City of São Paulo)

Authorities from Universities (USP, Mackenzie, Unifesp)

11:20 INTRO

What is CineGrid? - **Laurin Herr** (CineGrid, USA)

11:40 SESSION 1

Future of TV - The 8K experience

Introduction: **Thiago de André** (USP, Brazil)

Leandro Ciuffo (RNP, Brazil)

Liliiana Nakonechnyj (TV Globo, Brazil)

Tatsuya Fujii (NTT, Japan)

4K Short Film - Pixel Race **Jane de Almeida** (Mackenzie, Brazil)

13:15 LUNCH

14:15 ANNOUNCEMENT

Brazilian Group in Video Collaboration

Guido Lemos (LAVID, UFPB, Brazil) and **Valdecir Becker** (LAVID, UFPB, Brazil)

14:45 SESSION 2

Collaboration and Teaching with High Quality Media

Introduction: **Guido Lemos** (LAVID, UFPB, Brazil)

Daisuke Shirai (NTT, Japan)

Multi-modal, Multi-device and Multi-synchronized Media for Networked Remote Collaboration

Naohisa Ohta (Keio University, Japan)

Collaborative Content Creation with Media Networking.

Peter Otto (UC San Diego, USA) – **Remote Presentation**

Specifications for High Fidelity Interactivity in Networked Collaborative Media-Space

Tereza Carvalho (USP, Brazil)

High-quality Media - New Paradigm of Knowledge Sharing

16:20 COFFEE BREAK

16:40 SESSION 3

Academic Networks for Media & Collaboration

Introduction: **Luis Lopez** (ANSP/USP, Brazil)

Cees de Laat (Univ. of Amsterdam, Netherlands)

The CineGrid Amsterdam Project, lessons learned

Iara Machado (RNP, Brazil)

A Infra-estrutura da RNP e novos serviços de apoio a colaboração (RNP's Infrastructure and new services for collaboration support)

Julio Ibarra (AMPATH, USA)

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18:10 SHORT BREAK

18:30 **DEMO**

New World Symphony (Florida) 4K video with multi-channel live music score performed for "São Paulo Sinfonia da Metrópole"

Jane de Almeida (Mackenzie, Brazil), **Fernando Redigolo** (USP, Brazil) & **Justin Trieger**, **Michael Linville** (New World Symphony, Miami, USA)

18:50 DAY'S WRAP-UP

August 29 - Friday

9:00 **WELCOME DEMO**

Corpo4K

Almir Almas (USP, Brazil)

9:30 SESSION 4

Video Compression Technology

Introduction: **Denise Stringhini** (UNIFESP, Brazil)

Akira Shimaya (NTT-AT, USA) & **Rodrigo Menezes** (Dimension Data, Brazil)

HEVC encoding in the cloud - Grid Computing Transcoder on Cloud Platform - Codec for the 4K/8K Era

Guido Lemos (UFPB, Brazil)

Software Based Compression

John Suzuki (NEL America, USA) & **Yoichi Kato** (NTT-IT, Japan)

Realtime H.264 Encoding for 4K/UHDTV

Michal Krsek (CESNET, Check Republic)

Use of codecs in creative production over high-speed photonics network

11:10 COFFEE BREAK

11:30 SESSION 5

Visualization

Introduction: **Cicero Silva** (UNIFESP, Brasil)

Lev Manovich (CUNY/CALIT2, USA)

How to look at 300 million images?

Maxine Brown (EVL - Univ. Illinois Chicago, USA)

Visualization and Networking Technologies Enhance Interdisciplinary Collaboration

12:20 LUNCH

13:20 SESSION 6

Media Integration and Innovation

Introduction: **Almir Almas** (USP, Brazil)

José Dias (TV Globo, Brazil)

Surpresas Estratégicas

Laurin Herr (Pacific Interface Inc., USA)

CineGrid Futures

14:10 SESSION 7

Cinema Technology Trends

Introduction: **Thiago de André** (USP, Brazil)

Andy Maltz (Academy Motion Pictures Arts and Science, USA)
Next Generation Cinema Technologies & ACES

Steve Morris (Skywalker Sound, USA) – Remote Presentation

New Workflows for Immersive Sound in Cinema and Remote Collaboration

Francisco Neto (DotCINE, Brazil)

Além do HD, desafios do alto volume de dados no cinema (Beyond HD - challenges of large amounts of data for cinema.)

15:40 COFFEE BREAK

16:00 SESSION 8

Science and Arts

Introduction: **Alfredo Suppia** (UNICAMP, Brazil)

Richard Weinberg (Univ. Southern California, USA) – Remote Presentation

Digital Cinema Microscopy

Jeff Weekley (Naval Post-graduate School, USA)

Ultra-high Definition Video, Remote Sensing and Autonomy for Science Applications

Michael Sims (MoonExpress, USA) – Remote Presentation

CyberInfrastructure for Space Exploration and Visualization

17:30 SHORT BREAK

17:40 **DEMO**

Introduction: **Ana Estela Haddad** (USP, Brazil)

Telemedicine and Telehealth for teaching and learning

4K Ophthalmic Microscopy Surgery from UNIFESP to FMUSP – Telemedicine

Milton Yogi and Cicero Inacio da Silva (UNIFESP, Brazil)

18:30 – Cocktail at the 5th floor!