



FIRST ANNUAL CONFERENCE

PROGRAM AGENDA*

Wednesday, June 1

Welcoming Reception (SpringHill Suites Marriott)

Registered attendees will arrive throughout the afternoon at SpringHill Suites Marriott (on the MSU Denver campus / 1190 Auraria Parkway) and check in at hotel.

6:30 p.m. – 8 p.m.

Welcoming/Networking Reception

Provided by THE CAAV's Founding Sponsor, Mechdyne / 2nd Floor IMA Reception Hall of SpringHill Suites Marriott.

Thursday, June 2

THE CAAV Conference

Hosted by Metropolitan State University of Denver's CAVEA (Center for Advanced Visualization and Experiential Analysis) / MSU-Denver's Student Success Building / 4th Floor / CAVEA Theater / Room 420 (*Just a short walk from the campus hotel*).

8:30 a.m. / CAVEA Theater / Room 420

Conference Kick-Off General Session

THE CAAV President Emma-Jane Alexander welcomes attendees and introduces conference host MSU-Denver leadership with **Sarah Harman, Director of CAVEA**, to welcome attendees; Founding Sponsor's representative **Jim Gruening, Senior Vice President of Mechdyne**, welcomes attendees; and President Alexander introduces first conference speaker.

8:45 a.m.

Dr. Kenny Gruchalla, Senior Scientist for Scientific Visualization, The National Renewable Energy Lab (NREL). Keynote Address entitled: “Scientific Data Analysis and Knowledge Discovery through Advanced Visualization” --- Advanced visualization technology (e.g., immersive visualization, high-resolution displays, and state-of-the-art rendering techniques) can improve understanding and enable scientific discovery in large, complex data sets. In this talk, Dr. Gruchalla will describe the work being done in the National Renewable Energy Laboratory's Computational Science Center and the role visualization plays in renewable energy research, detailing some recent successes in using advanced visualization technologies to promote knowledge discovery.

9:45 a.m.

BREAK

Coffee, soft drinks and snacks - Sponsored by Mechdyne

10:00 a.m.

Dr. Kelly Gaither, Director of Visualization, Texas Advanced Computing Center, The University of Texas at Austin. Dr. Gaither has over thirty refereed publications in fields ranging from Computational Mechanics to Supercomputing Applications to Scientific Visualization. She has given a number of invited talks. Over the past ten years, she has actively participated in conferences related to her field, specifically acting as general chair in 2004 of IEEE Visualization.

10:30 a.m.

Special Guest Speaker

Denise Swink, CEO, Smart Manufacturing Leadership Coalition presentation entitled: “Shared Opportunities: The Smart Manufacturing Leadership Coalition (SMLC) and Members of THE CAAV” --- Recognized for its leadership in Smart Manufacturing, SMLC is an industry-driven coalition that supports the manufacturing community through its mission to lower implementation barriers. What is Smart Manufacturing and why does it matter? In this session, THE CAAV members will learn why Smart Manufacturing is the next industrial revolution of manufacturing and how advanced visualization is critical to its success. Learn about existing collaboration opportunities to foster economic-wide impact, manufacturing innovation and global competitiveness across a network of industry, academia and national labs.

11:00 a.m.

BREAK

Coffee, soft drinks and snacks - Sponsored by Mechdyne

11:15 a.m.

“New (Old) Directions using Advanced Visualization for Collaborative Research”

Dr. Winifred E. Newman, University of Arkansas at Fayetteville Professor and Head of the Dept. of Architecture in the Fay Jones School of Architecture and Design. Dr. Newman was the former director of advanced studies and director of the I-CAVE Lab for Applied Visualization in the College of Architecture + the Arts at Florida International University.

12:00 Noon / Room 400

LUNCH BREAK OUT SESSION

Table discussions over lunch on such topics as: Research, Teaching, Students, Administration and others, with a discussion moderator at each table.

Light Box Lunch Provided - Sponsored by Mechdyne

1:00 p.m. / CAVEA Theater / Room

420 Fast-Tracked SHOW AND TELL

Fast-tempo session with many advanced visualization project examples from variety of campus visualization centers, moderated by Dr. Winifred E. Newman, THE CAAV Vice President.

2:15 p.m. DUAL TRACKS

2:15 p.m. / CAVEA Theater / Room 420

Track 1: Sustainability for Campus Visualization Centers: A Panel Discussion

Panel features THE CAAV President Emma-Jane Alexander, University of Wyoming at Laramie, WY, Shell 3-D Visualization Center Manager; THE CAAV Vice President, Dr. Winifred E. Newman, University of Arkansas, Fayetteville, AR, Dept. of Architecture, Dept. Chair; THE CAAV Treasurer, Dr. Frank Klassner, Villanova University, Villanova, PA, Center of Excellence in Enterprise Technology Director; and Sarah Harman, Director of CAVEA, Metropolitan State University of Denver, Denver, CO; moderated by THE CAAV Communications Officer, Joe Swaty, APR, President & CVO, THE VUETURE.

2:15 p.m. / Room 400

Track 2: Visualization Software Bootcamp Session 1 - Immersive Visualization: The Why and How

Led by Bill Sherman, Sr. Technology Advisor at the University of Indiana and Dr. Amy Banic, Assistant Professor of Computer Science at the University of Wyoming at Laramie.

3:15 p.m. DUAL TRACKS

3:15 p.m. / CAVEA Theater / Room 420

Track 1: Emerging Technologies in Advanced Visualization

This audience participation session will be moderated by Dr. David Fredrick, Director of the Tesseract Studio for Immersive Environments and Game Design, Director of Humanities, Associate Professor of Classical Studies at the University of Arkansas at Fayetteville. The session will highlight the future of CAVEs, Head-Mounted Displays, advances in Augmented Reality... and “time travel” session attendees into the campus visualization centers of the near and distant future.

3:15 p.m. / Room 400

Track 2: Visualization Software Bootcamp Session 2 - Immersive Visualization: Benefits from Community Contribution

Led by Bill Sherman, Sr. Technology Advisor at the University of Indiana and Dr. Amy Banic, Assistant Professor of Computer Science at the University of Wyoming at Laramie.

4:00 p.m

BREAK

Coffee, soft drinks and snacks - Sponsored by Mechdyne

4:15 p.m. / CAVEA Theater / Room 420

TOUR UPDATE / Darin Bolthouse CHIL Manager/Engineering Manager at Lockheed Martin Space Systems Company will provide pre-briefing of tour details.

4:20 p.m.

“One Size Doesn’t Fit All – Aligning VR Solutions” / Matt Szymanski former VP of Products/Software Division and a Technical Consultant for Mechdyne

4:40 p.m.

“Speak Up” SESSION

Interactive general session with all participants reflecting on earlier topics and adding additional insight --- Moderated by THE CAAV President Emma-Jane Alexander. Time will be provided to complete survey on conference and finalize dinner group plans.

5:15 p.m.

Attendees return to hotel with evening open and “on their own” in groups for dinner and additional networking via short walk to the Larimer Square dining and shopping district.

Friday, June 3

Special Early Morning Tour of Lockheed Martin's CHIL and Conference Wrap Up Session

SPECIAL SECURITY NOTE: All tour attendees must have and carry with them government-issued form of picture ID. Non-U.S. citizens (who have provided all requested information by the earlier deadline to be pre-screened by Lockheed Martin for approval) should also bring their passport.

8:00 a.m.

Shuttle bus leaves for Lockheed Martin's CHIL promptly from conference hotel lobby.

9:00 a.m.

After security processing of each attendee, a Guided Tour of Lockheed Martin's CHIL hosted by CHIL Manager Darin Bolthouse.

10:05 a.m.

Looking Ahead with THE CAAV

Concluding conference session moderated by THE CAAV President Emma Jane Alexander, focused on open assessment of THE CAAV First Annual Conference, future goals and membership activities.

10:35 a.m.

Shuttle bus returns to hotel lobby.

NOTE: Some attendees may elect to stay an additional night or more to enjoy Denver sightseeing activities on Saturday and Sunday.

**Final agenda details may be subject to changes not available at time of printing.*



