The Benefits of Virtual Production
with Joerg Bachmaier

DAY 1

Introduction to the New Content Production Pipeline
with Joerg Bachmaier

The New Content Production Pipeline Virtual Production seamlessly merges the digital and physical realms in real-time, revolutionizing filmmaking. This innovative technology empowers filmmakers to engage with digital processes as they do with live-action production. Key virtual production techniques encompass world capture, enabling location/set scanning and digitization; visualization, including PreVis, TechVis, and PostVis; performance capture through mocap and volumetric capture; simulcam for on-set visualization; and in-camera visual effects (ICVFX). In addition, it is important not to overlook the inherent risks and challenges associated with Virtual Production.

DAY 2

Comparing Virtual and Traditional Production Workflows,
Presented by CG Pro / Zoic Studios; Edward Dawson-Taylor, Scott Rosekrans

Virtual Production Workflows represent a transformative leap in filmmaking. Beyond its technological advancements, it has the unique potential to bridge the divides in our traditional production methods. By unifying teams, tools, and technology, Virtual Production offers an unprecedented synergy between various aspects of the filmmaking process. It fosters collaboration across silos, from pre-production to post-production, streamlining the creative journey and enhancing the overall production value. In this rapidly evolving landscape, Virtual Production Workflows are redefining how we conceive, create, and bring stories to life on screen.

DAY 3

Exploring New Roles; The Virtual Art Department
With Narwhal Studios; Felix Jorge

Filmmakers and Producers face a significant shift with the emergence of the Virtual Art Department (VAD). The VAD handles digital worldbuilding, creating CG assets, and ensuring they smoothly integrate into 3D spaces. It can absorb functions like PreVis, On-Set VR/AR, and MoCap.

Sometimes, it merges with Concept and Production Design to enhance versatility. This transition reduces reliance on physical set construction and dressing.

Much like any other department on a production, the VAD is best made up of team members with a range of skills – in this case, digital artists, real-time software engineers, computer hardware engineers, and experts in the LED, projection, or other display technologies. These roles may not all be required on set, but they contribute to the team's success.

DAY 4

Development, Budgeting & Scheduling for Virtual Production, featuring Orbital Studios and ROTU Entertainment; Mark Poletti Brian Nitzkin Emir Cerman

We'll take a closer look at the budget, scheduling, and team impacts of Virtual Production during pre-production, production, and post-production and the implications of it al for a workflow. In this section, we delve into the cost-saving benefits of minimized travel to distant shooting locations, the shift of digital asset creation from post-production to pre-production, and the efficiency gained by reducing on-set time. Even a mere day or two saved can result in substantial cost reductions with a more streamlined shooting schedule. While each production is unique, there are shared principles that allow us to establish guidelines and project potential outcomes across various production budgets and timelines.

DAY 5

Case Study "EUROPA" & Extended Q&A
Facilitated by ETC - Entertainment Technology Center @ USC, Tom Thudiyanplackal, Eric B. Roth, Dane Brehm

At the conclusion of the week, we' I have a guest speaker who will share an intriguing virtual production case study. This presentation will be a thought-provoking conversation starter, providing valuable insights into the world of virtual production. Following the case study, we' I open the floor for an extended Q&A session. This is your chance to ask in-depth questions, gain a deeper understanding of the subject, and explore potential opportunities or challenges that lie ahead. It's a unique opportunity for all participants to connect, share their thoughts, and collectively envision the future of this exciting field.