



The American Society of Cinematographers

ASC Master Class on Virtual Production

October 23 - 24



Overview

The newly adapted ASC Online Master Classes, derived from our in-person Master Classes in Los Angeles, are designed for cinematographers with an intermediate-to-advanced skill set.

This Master Class will introduce you to the rapidly emerging technologies and filmmaking techniques associated with virtual production.

Prominent ASC members and Associates serve as instructors offering invaluable insights not only on the creative potential but also some of the technical considerations of virtual production technologies. Subjects covered include:

- Lighting and camera techniques
- History of virtual techniques
- Importance of previsualization when working on an LED volume
- Integrating physical sets and virtual environments
- Lighting demonstrations shot using LED walls with live Q&As
- Discussion on virtual scouting and virtual cameras
- Networking opportunities with ASC members



Charlie Lieberman, ASC



Richard Crudo, ASC

Virtual Production Throughout Film History

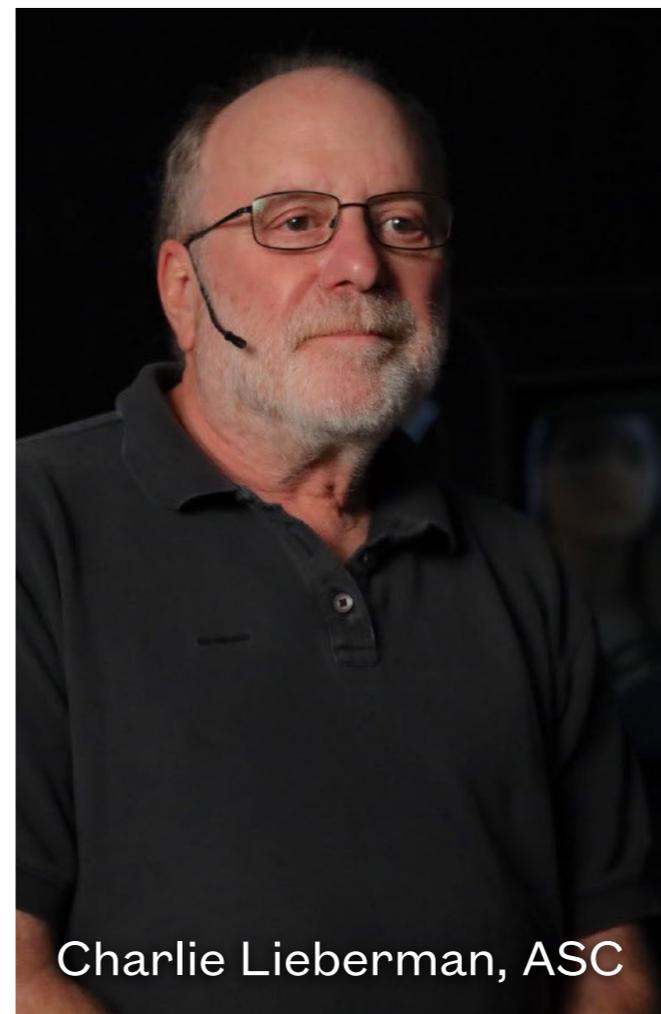
The Master Class will begin with a historical look at the roots of virtual production and cinematography presented by Richard Crudo, ASC and Charlie Lieberman, ASC. The overview begins in the silent era with films such as *Sunrise* and *Wizard of Oz* and continues through the use of matte paintings, foreground miniatures, rear projection, blue screen/green screen compositing, digital characters, virtual environments, and LED volumes.

Instructors: Richard Crudo, ASC and
Charlie Lieberman, ASC

Lighting Demonstration - The Evolution of the Moving Vehicle

A series of pre-recorded lighting demonstrations by Craig Kief, ASC and Charlie Lieberman, ASC showcasing virtual production filming approaches for various budgets. Topics will include traditional poor man's process, blue screen and LED walls. Finally, the demo will feature full virtual production with additional screens for backgrounds and interactive lighting.

Instructors: Craig Kief, ASC and
Charlie Lieberman, ASC



Charlie Lieberman, ASC



Craig Kief, ASC





Habib Zargarpour



Noah Kadner

Virtual Scouting

A look at virtual scouting, virtual camera, and visualization using real-time tools. Instruction will draw from case studies from recent live-action projects. Featuring guest speaker, Habib Zargarpour from Unity Technologies.

Instructor: Habib Zargarpour

Virtual Production Supervisor

Moderator: Noah Kadner

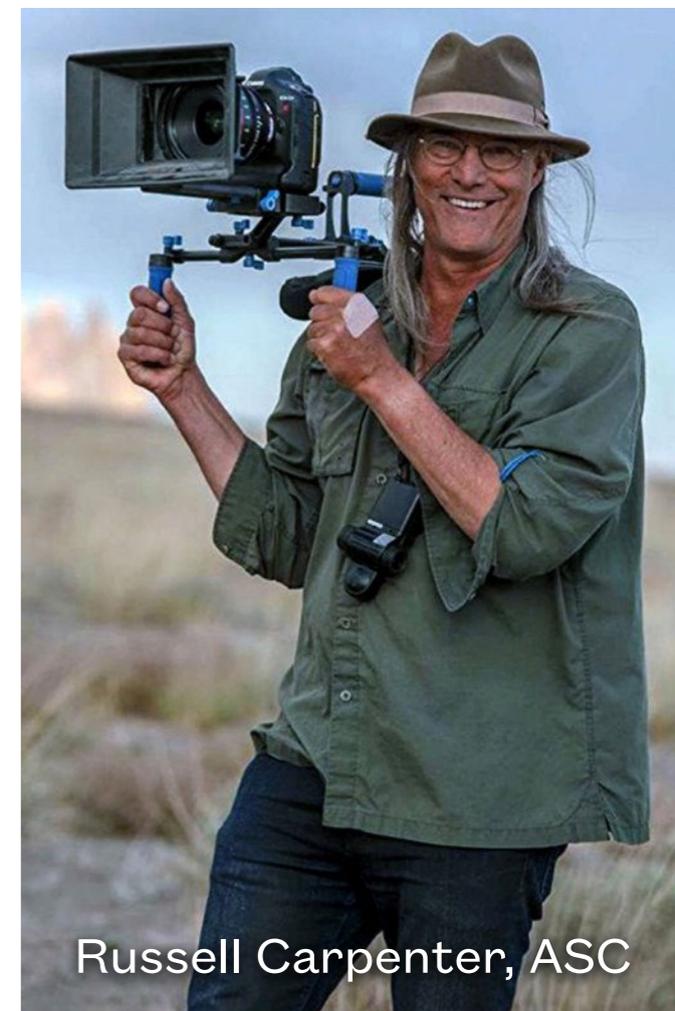
Virtual Production Editor of American Cinematographer

Lighting Demonstration - LED Volume Cinematography and Virtual Production Workflow

Cinematographers Baz Idoine, ASC and Russell Carpenter, ASC present a lighting demo shot on a 62ft by 20ft full LED volume. Topics include LED volume preparation, troubleshooting, cinematography, physical set integration, interaction with volume technicians, color science, environmental lighting, and much more. Followed by live Q&A with Idoine and Carpenter.

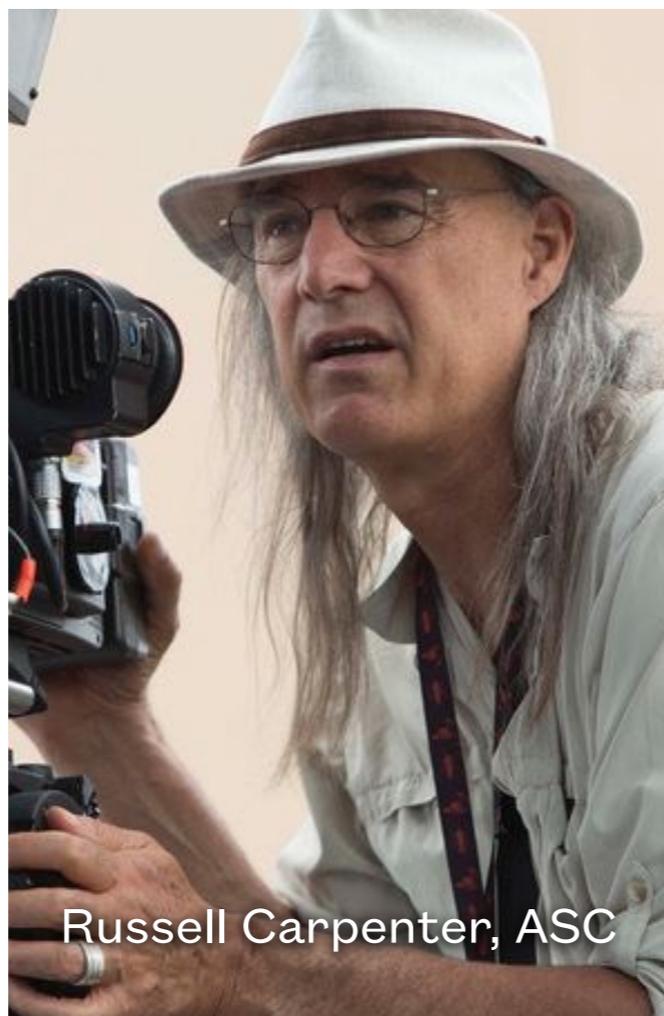
Instructor: Baz Idoine, ASC

Moderator: Russell Carpenter, ASC

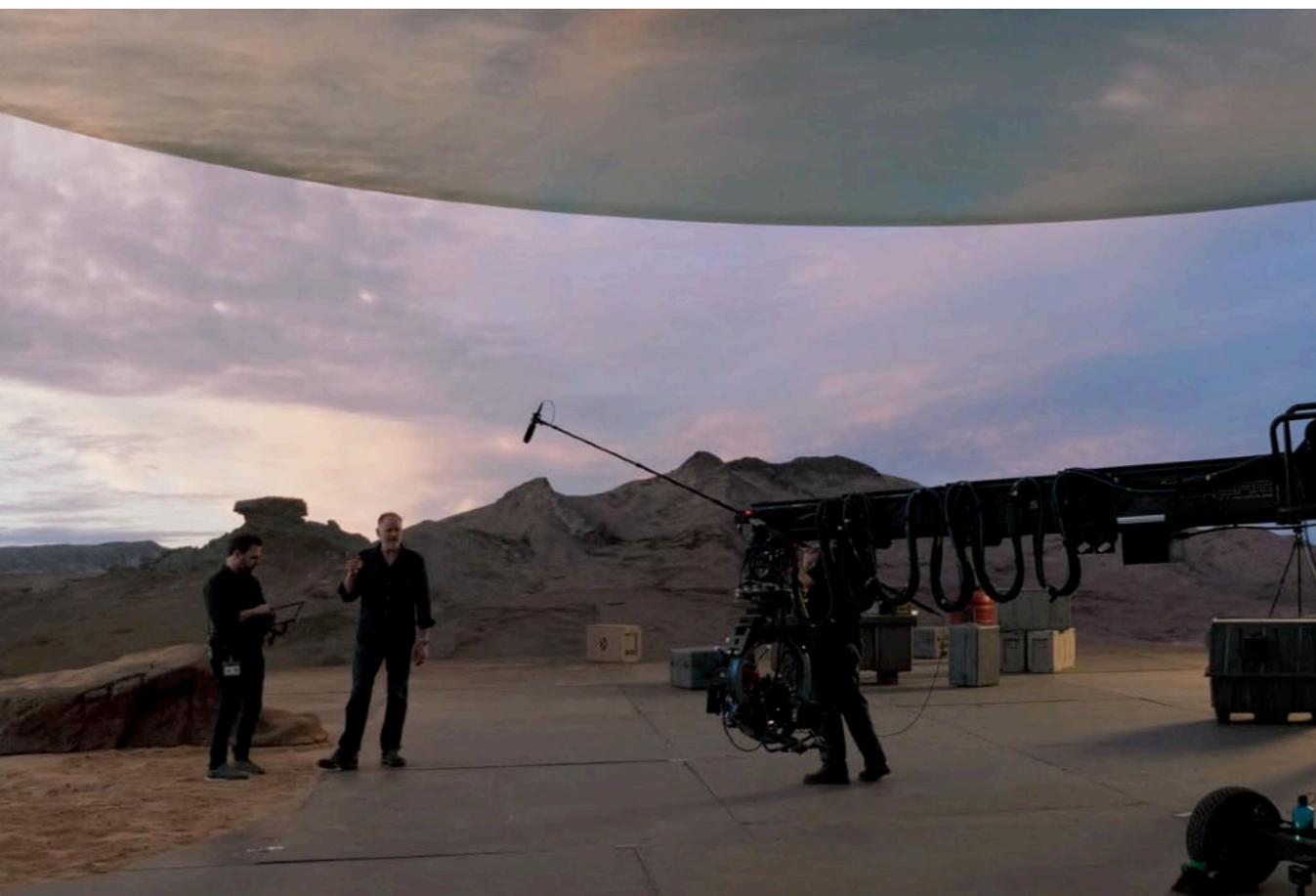




Baz Idoine, ASC



Russell Carpenter, ASC



The Mandalorian - LED Volume and Virtual Production Workflow

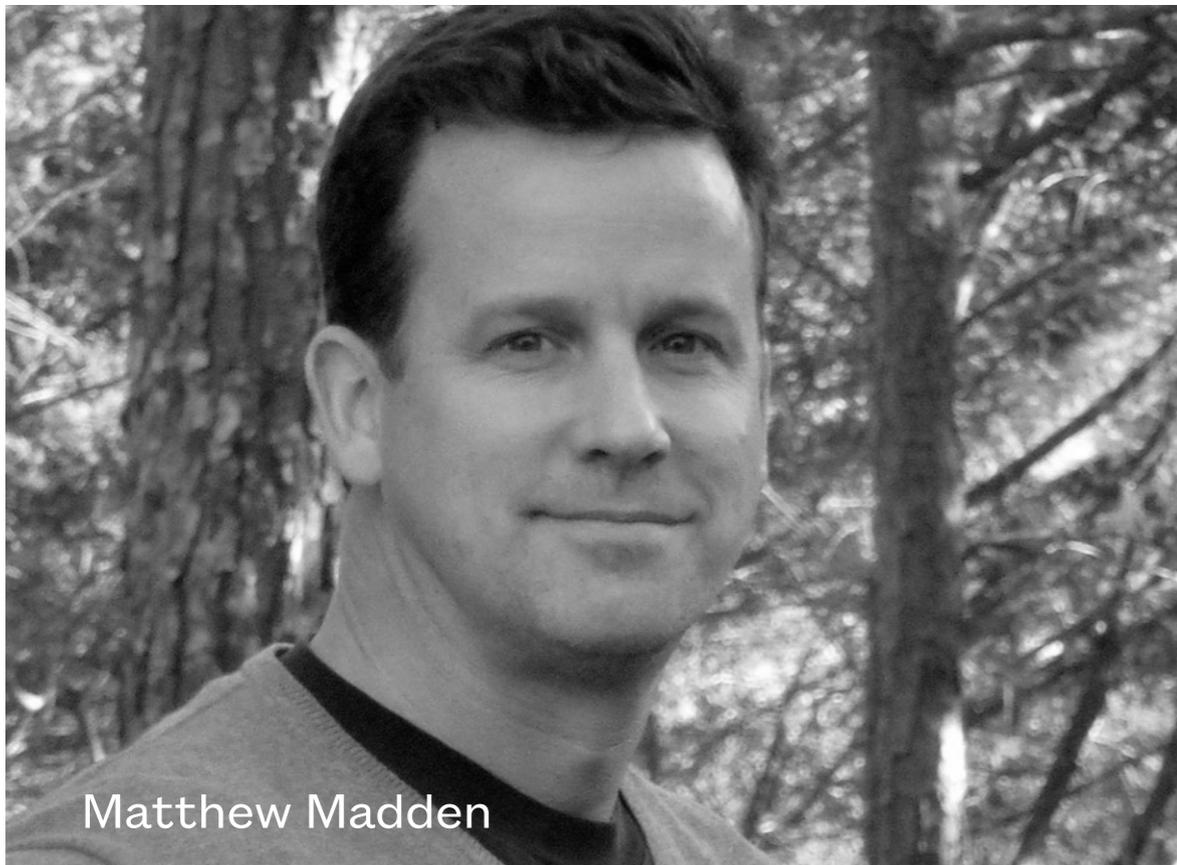
This session will include a behind-the-scenes demonstration of *The Mandalorian* LED volume workflow, featuring cinematographers Baz Idoine, ASC and Greig Fraser, ASC. Topics include camera tracking, large volume workflow, integrating physical and virtual sets, virtual art department, and more. Idoine will participate in a live Q&A session moderated by Russell Carpenter, ASC.

Instructor: Baz Idoine, ASC

Moderator: Russell Carpenter, ASC



Matthew Jensen, ASC



Matthew Madden

Epic Games Virtual Production Film Demo

This session focuses on a short film produced by Epic Games set in a cave environment. Cinematographer Matthew Jensen, ASC and Virtual Production Director for Epic Games, Matthew Madden will dive into the unique challenges of working with real-time in-camera visual effects.

Instructors: Matthew Jensen, ASC and
Matthew Madden
Virtual Production Supervisor

ASC Member Social

In this open form discussion students are given the time to ask instructors and ASC Ambassadors follow up questions. This is an opportunity to come prepared with questions pertaining to their work, advice, specific questions about your career, etc. The more questions the better!



Closing Presentation

At the completion of the ASC Online Master Class students will receive a completion certificate and have the opportunity to leave feedback about their experience.

The class will end with a final open discussion period with ASC members.

ASC MASTER CLASS
LEARN FROM THE BEST

