BACKSTAGE ON CUE SESSION SCHEDULE

TIMES		FRIDAY 19 JULY: NETWORKING	SATURDAY 20 JULY: MAINTENANCE	SUNDAY 21 JULY: TROUBLESHOOTING
Begin	End			
07:15	08:15	Breakfast	Breakfast	Breakfast
08:15	09:30	Option 1: Light the Magic, a keynote with Ken Lennon / Option 2: ETC: Past, Present, and Future	Hue-Mor Me, a keynote on color by Wendy Luedtke and Mike Wood	How to Troubleshoot (Almost) Absolutely Anything
09:30	09:45	Break	Break	Break
09:45	11:00	From Protocols to Performance: Networking for Entertainment Lighting	Secrets of Cost Effective Routine Maintenance	Option 1: So Many Components, So Little Time / Option 2: It Worked Until I... / Option 3: How I Learned to Stop Worrying and Love the Mover
11:00	11:15	Break	Break	Break
11:15	12:30	Option 1: Show Control: How to Teach Your Console to Make Coffee / Option 2: RDM: So Much More Than a Setting That Should Be Turned Off / Option 3: Hands-On Networking	Option 1: Best Practices for System Maintenance and Recordkeeping / Option 2: So You Have a Lighting System… Now What? / Option 3A: Rigging - Out of Sight Out of Mind… K(NOT)! / Option 3B: Because You Can't Wrap Everybody in Bubble Wrap	Option 1: So Many Components, So Little Time / Option 2: It Worked Until I... / Option 3: How I Learned to Stop Worrying and Love the Mover
12:30	01:30	Lunch	Lunch	Lunch
01:30	02:45	Option 1: Light the Magic, a keynote with Ken Lennon / Option 2: ETC: Past, Present, and Future	Augment3d	Product Managers Roundtable
02:45	03:00	Break	Break	Break
03:00	04:15	Option 1: Show Control: How to Teach Your Console to Make Coffee / Option 2: RDM: So Much More Than a Setting That Should Be Turned Off / Option 3: Hands-On Networking	Option 1: Best Practices for System Maintenance and Recordkeeping / Option 2: So You Have a Lighting System… Now What? / Option 3A: Rigging - Out of Sight Out of Mind… K(NOT)! / Option 3B: Because You Can't Wrap Everybody in Bubble Wrap	Option 1: So Many Components, So Little Time / Option 2: It Worked Until I... / Option 3: How I Learned to Stop Worrying and Love the Mover
04:15	04:30	Break	Break	Conference ends
04:30	05:45	Option 1: Show Control: How to Teach Your Console to Make Coffee / Option 2: RDM: So Much More Than a Setting That Should Be Turned Off / Option 3: Hands-On Networking	Option 1: Best Practices for System Maintenance and Recordkeeping / Option 2: So You Have a Lighting System… Now What? / Option 3A: Rigging - Out of Sight Out of Mind… K(NOT)! / Option 3B: Because You Can't Wrap Everybody in Bubble Wrap	
05:45	06:00	Break	Classes end	
06:00	09:00	Picnic at ETC	Night off - see the reception desk for local event options	

FRIDAY SESSIONS

LIGHTING THE MAGIC - Keynote by Ken Lennon
Hang out as Ken Lennon, Executive Show Lighting Designer for Walt Disney Imagineering takes us through some of his favorite projects. Hear what it's been like to work on some of the most unconventional projects for one of the most creative companies in the world for the past 30 years.

ETC: PAST, PRESENT, AND FUTURE - Keynote by David Lincecum
Founded in 1975, ETC has grown into a vibrant international organization renowned for its culture of innovation and service. In this session, we share our story of where we came from, what makes us tick, and how we are poised to tackle the challenges of tomorrow.

FROM PROTOCOLS TO PERFORMANCE: NETWORKING FOR ENTERTAINMENT LIGHTING - Tom Barthel-Steer
Network technology is now universally present in our lives and work, but many of us barely think about it despite using it every day. In this session Tom will work from the ground up to describe how networking technologies work and can be used to bring exciting new integrations into lighting systems.

SHOW CONTROL: HOW TO TEACH YOUR CONSOLE TO MAKE COFFEE (AND OTHER LESS USEFUL SKILLS) - Jake Pomeroy, Nick Saiki, and Jason Perry
Show Control is the swiss army tool of lighting control. It's a universal translator that allows communication to be passed between devices that are oftentimes not meant to work together. In this class, we will take a look at a number of the show control protocols available to us such as OSC, MIDI, UDP, and SMPTE. We will discover how we can use these ridiculous acronyms to either simplify our lives or feed our theatrical mad scientist experiments.

RDM: SO MUCH MORE THAN A SETTING THAT SHOULD BE TURNED OFF - Eric Veik and Graham Parker
Ever ask the question, "What is RDM and how is it used with ETC Software?" Look no further. This class will demonstrate using RDM with Net3 Concert and/or Eos to configure lighting fixtures. Additional discussion topics include "Where is it used?", "Can I leave it on? Why does tech support tell me to turn it off?!", Error Reporting, Compatibility, and a dive into the RDM conversation, i.e. "Who said what at 44Hz?"

HANDS-ON NETWORKING - Tom Barthel-Steer and Shawn Blystone
Shawn and Tom will take you through the process of installing and troubleshooting a network. We will cover how to use diagnostic tools to find faults in a system, how to terminate cables, and how to build a system that is guaranteed show-reliable.

SATURDAY SESSIONS

HUE-MOR ME - Keynote by Wendy Luedtke and Mike Wood
Do you believe your eyes when choosing colors? How accurate is the color picker on your console? Do you see what I see? And what is color anyway? This session will attempt to bamboozle, educate, and entertain by revealing how fabulously futile and absolutely valid these questions are.

AUGMENT3D - Lowell Olcott
We'll show you how to dive in ETC's first integrated 3D programming environment. Augment3d is part of Eos v3.0 and in beta summer 2019. This new and exciting tool enables Eos users to control and design in a three dimensional space. With fully integrated augmented reality technology in the Eos remote apps, Eos v3.0 puts the power of Augment3d in the palm of your hand

SECRETS OF COST-EFFECTIVE ROUTINE MAINTENANCE – David Fox and Therese Goding
This hands-on session demonstrates how to maintain Power Controls, Fixtures, Consoles and accessories and shares tips and tricks so you can develop a plan to easily and effectively perform regular maintenance to your system.

BEST PRACTICES FOR SYSTEM MAINTENANCE AND RECORDKEEPING – Erin Giblin and Therese Goding
You have a great system in place and everything is working fine. Time to kick up your feet backstage and relax, right? Before you get too comfortable, Therese and Erin will talk you through some preventative maintenance, record keeping, and general best practices to put into place to keep your venue running smoothly. We will go over a range of topics including maintenance schedules, record keeping, updating software, and communicating to those using your space.

SO, YOU HAVE A LIGHTING SYSTEM… NOW WHAT? - Steve Short, Jess Olcott, and Kat Lanphear
This class helps you identify what you have, what you want, and how it fits together. We will give you tools to talk to other users about what your space can do, and to dealers about how to prepare your space for an unknown future.

RIGGING: OUT OF SIGHT, OUT OF MIND – K(NOT)! - Mickey Henry and Nils Becker
A rigging system is a complex machine that has a lot of variables that need to be understood to be operated safely. We will be lifting the curtain of what compromises a typical motorized rigging system and how to keep it running. This course will cover topics including, pros and cons of a motorized rigging system, day to day operations of a rigging system, and what you need to do to keep it running in tip top shape.

BECAUSE YOU CAN'T WRAP EVERYBODY IN BUBBLE WRAP – Turk Wilson and Spencer Lyons
This class will be a discussion and overview of safety, including personnel and facilities, from day to day to more dramatic events.

SUNDAY SESSIONS

HOW TO TROUBLESHOOT (ALMOST) ABSOLUTELY ANYTHING – Steve Short and John Hessler
Knowing everything about all the products is pretty cool, but for mere mortals can be a little off-putting. It can even get in the way sometimes. In this class, led by grizzled veterans, we will discuss methods of approaching troubleshooting by yourself and with others. We will share a systematic approach towards identifying and solving issues without needing to be a product expert. The class will also show tactics for maximizing your interaction with remote technical service.

SO MANY COMPONENTS, SO LITTLE TIME – Steve Short and Chris Blad
You're used to hanging lights, plugging them in, and having them "just work" when you turn them on from the console, but what happens when they don't? It's easy to focus on the console as the problem, but often it's not! Dimmers, relays, optos, gateways, DMX, sACN, switches, architectural processors…what does it all mean and why do I need all of this stuff? This class will investigate how to go beyond the hardware you interact with on a daily basis and look at other components in the larger system.

IT WORKED UNTIL I... - John Hessler and Tom Waddington
Sometimes in the life of your lighting system, there will be surprises that seemingly come from nowhere but are all-present when they arrive. In this class we use anecdotes to illustrate some of the many ways a system may seemingly change itself as well as some of the tools you can use to minimize possible impacts.

AUTOMATED LIGHT MAINTENANCE – OR: HOW I LEARNED TO STOP WORRYING AND LOVE THE MOVER – Malori Carr, Michael Vidal, and Matt Stoner
Wire harnesses and motors got your head spinning 540 degrees? In this class, you'll be able to learn the basic techniques to troubleshooting and diagnosing your LED Automated lights created by ETC and HES. We'll cover a range of topics including but not limited to terminology, troubleshooting tips and tricks, wire harnesses and basics of motors and electronic drivers that make them whir.

PRODUCT MANAGERS ROUNDTABLE
In this session, ETC's marketing product managers will lead conversations about the development plans of future ETC products and technologies. This discussion will focus on the topics you want to cover so come ready with any ideas, suggestions, and questions you have.