

Click on a date to get to the schedule Cliquer sur une date pour l'horaire CITT/ICTS is a national association that actively promotes the professional development of its members and works for the betterment of the performing arts community in Canada. CITT/ICTS connects the Canadian live performance community and provides unique opportunities to its members to communicate, network and expand their knowledge and skills through workshops, conferences, trade shows, electronic forumsand publications in the areas of technology, management, design, architecture and education for live performance in Canada.

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### RENDEZ-VOUS 2020 Online Support

J.S.T. Productions / Frampton Production Group: Aidan Cosgrave Graham Frampton Eden Weiss

#### VERY SPECIAL THANKS TO

Matt Frankish and to all our presenters, panelists, moderators.

A big THANK YOU to our sponsors for their generous support and contribution to the success of Rendez-vous 2020 becomes virtual!

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CITT/ICTS is the Canadian Centre of OISTAT

We acknowledge that across Canada there are indigenous peoples who were displaced from their traditional territories by colonial actions, and who continue to struggle for the right to self-determination and territorial sovereignty. We would ask each of you to consider those upon whose traditional territories you live and work and to learn more about them, their needs and desires, and their expectation of you, a visitor upon their traditional territories.

Nous reconnaissons que partout au Canada, il y a des peuples autochtones qui ont été déplacés de leurs territoires traditionnels par des actions coloniales et qui continuent de lutter pour le droit à l'autodétermination et à la souveraineté territoriale. Nous demandons à chacun de vous de considérer ceux sur les territoires traditionnels desquels vous vivez et travaillez et d'en apprendre davantage sur eux, leurs besoins et leurs désirs, ainsi que leurs attentes envers vous, visiteur sur leurs territoires traditionnels.

Monday August 17		
12:00 p.m.	Conference Welcome and New Product Showcase hosted by Matt Frankish - 90 min	
Break		
2:00 p.m.	Acoustic Design of Canadian Performing Arts Centres with John O'Keefe - 60 min	
Break		
3:30 p.m.	Better than a 20' Pole: Controlling your lights remotely with Erin Giblin, ETC - 60 min	
	Immersive Tools In Theatre Sound Design: An Introduction to Spacemap GO with Michael Laird - 90 min	
Break		
5:00 p.m.	Using SketchUp to build venues for ArrayCalc with Trevor Nash - d&b - 60 min	
	Wireless Mic Spectrum with Colin Bernard - Lectrosonics Canada - 60 min	
Supper Break		
7:00 p.m.	Women+ of the Backstage Roundtable hosted by Emma Alderman - 60 min	

Tuesday August 18		
12:00 p.m.	Mind the Gap: Models of Mentorship in Management with Janelle Rainville - PMArts + TDArts - 90 min	
Break		
2:00 p.m.	Theatre Specific Features for your Everyday Mix with Dan Page - DiGiCo - 60 min	
Break		
3:30 p.m.	The Soundscape Fundamentals and System Design using ArrayCalc with Trevor Nash - d&b - 60 min	
Break		
5:00 p.m.	Augmented ARRAY and the latest technology on arrays with Trevor Nash - d&b - 60 min	
	Fire Safety and Your Drapes, Are You Prepared? with Brad Davies - 60 min	
Supper Break		
7:00 p.m.	Education Roundtable hosted by Scott Martin - 60 min	

Wednesday August 19		
12:00 p.m.	<b>Grand Theatre Rigging Renovation</b> with Rick Boychuk - 90 min	
Break		
2:00 p.m.	Whistling in the Theatre with Peter McKinnon - 30 min	
Break		
4:30 p.m.	CITT/ICTS 2020 Virtual Annual General Meeting - 90 min	
Supper Break		
7:00 p.m.	SWAG BINGO!	

Thursday August 20			
12:00 p.m.	Hiring for Diversity with Alyson Colón, Cheryl Batulis, Sedina Fiati, Autumn Coppaway, Rachel Forbes & Shanna Miller - 90 min		
	Break		
2:00 p.m.	Snap, Crackle, Pop! Manage & Monitor your Onstage RF Audio with Timo Liski - Wavetool - 60 min		
	Break		
3:30 p.m.	<b>Mic Placement techniques</b> with Ben Escobedo - Shure - 60 min		
	Break		
5:00 p.m.	Tom Patterson Theatre Tour with Greg Douherty, Stratford Festival - 60 min		
	Supper Break		
7:00 p.m.	TD Roundtable hosted by Matt Frankish - 60 min		

Monday 17 • 2 p.m.

Welcome to the 30th CITT/CTS Rendez-vous Annual Conference, presented for the first time entirely online due to the effects of the COVID-19 pandemic. We wish we were able to meet in person in London, Ontario as originally planned but that was not possible. We hope that the programming will be useful and informative for attendees and look forward to exploring the possibilities and challenges offered by this new format.

Matt Frankish, President-elect Chair. Rendez-vous Content Curation Committee

Veuillez cliquer ici pour la version française du mot de bienvenue à la conférence.

## Conference Welcome & New Product Showcase

hosted by Matt Frankish

**New Product Showcase** Formerly known as the New Product Breakfast, this session will welcome the attendees to the conference and provide an opportunity for member companies to present and highlight their new products this year with a (very!) brief presentation.

NEW PRODUCT SHOWCASE IS SPONSORED BY Novita

# Acoustic Design of Canadian Performing Arts Centres

with John O'Keefe

This talk tells the story of how many of Canada's favourite venues were designed and built. Presented by acoustician John O'Keefe, there are many tales to tell. Some of which - though not all - might involve acoustics! The modern understanding of natural acoustics can and has liberated the design of performing arts venues. From the basic understandings of how we perceive sound in a room, ideas developed in the mid to late 20th century, all the way to current machine learning design tools, acoustical design plays a crucial role in the shape and function of a theatre or concert hall. This session will review how these tools and ideas have shaped disparate venues built across the country over the past 30 years. Sample discussion venues include: Theatre Aquarius (Hamilton), Medicine Hat Arts and Heritage Centre, Pyatt Hall (Vancouver), Princess of Wales Theatre (Toronto), the Queen Elizabeth Theatre renovation (Vancouver) and others.

The attendees will learn a bit of the history of Canada's recent theatres. They will also gain a broader appreciation of the modern understanding of natural acoustics and the history of how that understanding has informed the design numerous Canadian venues.

Throughout his 35 year career, **John O'Keefe** has channeled his passion for music, science and technology into the performing arts. John is a Professor of Acoustics at the University of Toronto and has presented papers and lectures throughout the world. Among several awards he includes the Schreyer Award, the country's highest distinction for engineering of any form.

## Better than a 20' Pole: Controlling your lights remotely

with Erin Giblin - ETC

With social distancing becoming the norm, and requirements for personal onsite becoming more and more strict, what opportunities are there to control your lighting system remotely? In this session we will go over the concepts and challenges for setting up a lighting console or architectural controller for remote operation and maintenance. This class will include real world examples of systems that are designed for this type of control, presented by the designers and operators. We will go through system layout as well as looking and some fun photos and videos of the end results.

Erin Giblin is a Field Project Coordinator at ETC working in their Burbank, Calif. Office, specializing in advanced color rendition and networking. At ETC Giblin helps designers in theatre, TV, and film create the best lighting for their shows, most of which she can't mention because yes, the NDA's are that ironclad.

Brandon Gauthier is a lighting designer and programmer based out of New York City. He has worked for Norwegian Cruise Lines, at the Wallis Annenberg Center in Beverly Hills, California Busch Gardens Tampa Bay's Howl-o-Scream Events, Parade Lighting for SeaWorld Parks and Entertainment, music festivals and doing system integration for projects worldwide.

# Immersive Tools In Theatre Sound Design: An Introduction to Spacemap GO

with Michael Laird

Immersive technology is not a new concept for Meyer Sound. Starting from the earlier days in Las Vegas with shows like Cirque du Soleil's Mystère, to more recent large-scale multichannel theatrical productions featured on Broadway, Meyer Sound's technology has been the heart of spatial sound design for over 25 years. More recently, the world of theatre sound design has significantly evolved with the introduction of advanced DSP processing and new, creative ways to integrate between technology platforms. Canadian Theatrical Sound designer, Michael Laird, will introduce the concepts of spatial sound in theatre, and journey through his methods and how he leverages new technology when he designs and mixes shows. Michael will be showcasing examples using a new free plugin for the Meyer Sound GALAXY platform called Spacemap GO. A live demonstration and Q+A period will follow.

Michael Laird specializes in Sound Design for Musical Theatre and his work has been heard throughout North America. In addition, Michael has mixed and performed RF duties on shows for various producers including Mirvish Productions, DanCap, Musical Stage Company, Ross Petty Productions, and many others. Michael is a proud member of IATSE Local 58.

# Using SketchUp to build venues for ArrayCalc

with Trevor Nash - d&b audiotechnik

A discussion on how to use ArrayCalc Exchange, a SketchUp extension from d&b audiotechnik for creating ArrayCalc venues, and how it enhances the d&b workflow to help you be more efficient. Learn how to install the extension, import architectural drawings and properly scale them, and draw venue elements for export to ArrayCalc. The discussion will assume preexisting operational knowledge of SketchUp.

Trevor Nash, Education & Application Support with d&b audiotechnik Canada has over 20 years of experience in professional audio. After many years of touring as both system and mix engineer throughout North America and Internationally for a broad range of artists and events now dedicates his time supporting events & installations throughout Canada with system design, implementation and support of d&b systems.

### Wireless Mic Spectrum

with Colin Bernard - Lectrosonics

A brief history of the back round and the results of the 600 MHz RF spectrum auction will be explained plus updated information on the changes and legalities now in place. The webinar will also highlight ramifications of recent major changes in TV transmission allocations and the need for band planning, with a goal of instilling confidence in future technical wireless endeavor's and designs.

**Colin Bernard** is the Director of Operations for Lectrosonics Canada in Toronto previously acting as Manager, Professional Division for Sennheiser Canada in Montreal. His responsibilities include frequency coordination and RF Support of many large fixed/touring/musical theatre systems over the years, including Phantom of the Opera, Ragtime, Kiss of the Spider Woman, Come Fly Away and A Chorus Line.

# Women+ of the Backstage Roundtable

hosted by Emma Alderman

A partially moderated, group led space for discussion. The group will be invited to explore any themes, including but not limited to, how far we've come, what steps still need to be taken, how we can combat or handle microaggressions and misogyny in the workplace, and how we can support each other in these strange and potentially stressful times as a community. This will be a safe place to share and discuss among women and any trans or gender non conforming folks who wish to be involved in the discussion. While we encourage all genders to learn from each other, this particular space is not for cisgender men.

Emma Alderman began her career in the performing arts at the Bella Rose Arts Centre in Halifax NS where she stage managed, technical directed, and production managed. Since moving to Toronto she has completed her BFA in Performance Production at the Ryerson Theatre School and traveled to participate in a Technical Direction/Swing Tech Practicum at the Banff Centre for Arts and Creativity. Until recently she could be found freelancing as a production manager/technical director for a variety of events and productions as well as assistant production managing at the George Brown Theatre school. Currently, she can be found in her new role as the Production Manager for Factory Theatre.

WOMEN+ OF THE BACKSTAGE ROUNDTABLE IS SPONSORED BY
Theatre Alberta

### Mot de bienvenue à la conférence

Bienvenue à cette 30° édition de notre conférence annuelle Rendez-vous CITT/ICTS, présentée pour la première fois entièrement en ligne en raison des effets de la pandémie COVID-19. Nous avions espéré pouvoir nous rencontrer en personne à London, en Ontario, tel qu' initialement prévu, mais cela n'a pas été possible. Nous espérons que la programmation sera utile et informative pour les participants et avons hâte d'explorer les possibilités et les défis offerts par ce pouveau format.

Matt Frankish, président désigné Président du comité de planification de contenu de Rendez-vous

# Mind the Gap: Models of Mentorship in Management Roundtable

with Janelle Rainville - PMArts + TDArts

Universities, Colleges, and Conservatory programs ready students to begin their professional careers. The industry is looking to hire people who have the level of competency and experience they require to do the job. There is often a gap between leaving post-secondary institutions and working professionally, particularly as a Production Manager or Technical Director. How are we continuing to train our fledgling PMs and TDs? What opportunities are there for emerging workers who have studied management, and now need industry experience and mentorship to be ready to assume these roles themselves? How can mentorship, internships, and apprenticeships help create a better path from learning to working? Join our panellists to discuss what some companies are doing to bridge the gap.

Janelle Rainville is currently the Production Manager/Theatre Manager for the University of Waterloo Theatre and Performance program, where she also teaches courses in stage management and managing the arts. In her "spare" time, Janelle has taught dance stage management at Ryerson School of Performance and York University as well as stage management workshops for community theatres. Janelle joined S.M.Arts in 2006 as Co-Director to Founder, Winston Morgan. In 2008 they started a sister organization called P.M.Arts, which Janelle administrated with Peter Fleming. In 2010 she took over the role of Director of S.M.Arts when Winston stepped down. The organization has continued to grow and is now a not-for-profit organization with 4 – 5 projects occurring each year.

Andrea Surich is currently the General Manager of Watermark Theatre, PEI. Was the Production Manager at Grand Theatre (London) for over 15 years.

Kevin Tanner - Managing Director, Production at Banff Centre for Arts and Creativity. Kevin is a production and venue management leader, with the bulk of his experience in public sector and post-secondary education venues.

Paul Fujimoto-Pihl - Project Manager, Grand Theatre (London, ON). He has served as Technical Director at the Blyth Festival, Tarragon Theatre, and the Grand Theatre in London, Ontario and is currently the director of TDArts.

Phil Akin - actor, director who has worked in the theatre community for over 40 years. Was one of the founding members of Obsidian Theatre (Toronto) and was their Artistic Director from 2006 - 2020.

# Theatre Specific Features for your Everyday Mix

with Dan Page - DiGiCo

Multiple cast onstage, shuffling between roles and changing costumes periodically... scenes that are short and simple, intermingled with others that are long and more complex. Is Andrea playing Annie tonight, or is it Shelley's turn? With so many variables unique to theatrical sound, how do you manage your mix? Join DiGiCo's Dan Page as he explores creative ways to leverage the capabilities of any SD-series console when mixing theatrical performances. Advanced snapshot features, unique ways to program roles and save presets - all things that come standard on any SD-series console - can help you streamline and stay on top of your mix. Want more tools in the toolbox? Dan will use the second half of the session to explore the features and benefits of DiGiCo's 'T' theatre software package and DiGiCo's new Quantum processing.

With more than 20 years' industry experience, DiGiGrid's **Dan Page** has a unique skill set covering a wide range of industry markets. As a graduate of the UK's Tonmeister degree course, Dan combined classical music performance with technical disciplines including applied electronics, acoustics and sound recording. Following graduation, Dan specialised in servicing studio equipment before gaining a reputation for studio installations and live recording design working with artists, engineers and producers including Oasis, Madonna & George Michael. Dan went on to join DiGiCo as a product specialist for live touring, before taking a key role with the Waves and DiGiCo partnership to develop and establish the DiGiGrid line of audio interfaces and DSP server products. As the company product champion Dan has gained immense experience across a range of high profile recording and live projects, which he is always happy to share with other engineers and artists during training events and seminars.

# The Soundscape Fundamentals and System Design using ArrayCalc

with Trevor Nash - d&b audiotechnik

This webinar is intended to give an overview to a proper system design for the d&b Soundscape. Stereo and object-based audio reinforcement setups and their psychoacoustical aspects will be introduced. Following the introduction, participants will be informed about various Soundscape system design approaches using ArrayCalc. Additionally, the proper use of function-groups will be introduced as well as several use cases will be demonstrated.

Trevor Nash, Education & Application Support with d&b audiotechnik Canada has over 20 years of experience in professional audio. After many years of touring as both system and mix engineer throughout North America and Internationally for a broad range of artists and events now dedicates his time supporting events & installations throughout Canada with system design, implementation and support of d&b systems.

# Augmented ARRAY and the Latest Technology on Arrays

with Trevor Nash - d&b audiotechnik

This presentation is about one of d&b audiotechnik newest speakers series, the A-series. We'll start with a theoretical background and then present application examples in ArrayCalc. The A-Series, augmented array provides users with a new set of scalable solutions that work as a standalone system or in combination with the full range of d&b systems. The flexibility of the splay angles, the Midrange Directivity Control function and the ArrayProcessing capabilities enable the A-Series to address a huge range of applications with coverage consistency that is unparalleled.

Trevor Nash, Education & Application Support with d&b audiotechnik Canada has over 20 years of experience in professional audio. After many years of touring as both system and mix engineer throughout North America and Internationally for a broad range of artists and events now dedicates his time supporting events & installations throughout Canada with system design, implementation and support of d&b systems.

## Fire Safety and Your Drapes, Are You Prepared?

with Brad Davies

Stage Draperies require on-going care and maintenance to continue to look good and be safe. Presentation will discuss fabrics used in theatres, show tips on handling and caring for them to preserve their lifespan.

Also, Fire safety on stages is a big issue. The flame retardant on them forms an important part of your facilities fire safety system. On theatre stages, the presence of hot lights, props and electrical sparks near flammable textiles significantly increases the risk of fire. Presentation will explain existing codes, review different test methods, discuss flame retardant treatments for drapes, provide information on applying flame retardant treatments to draperies.

Mr. Davies has been in the fire protection business since 2008. Having tested and re-treated thousands of textiles, Mr. Davies has years of field experience, has been an NFPA, USITT and CITT member for years, has also published numerous articles on flame retardant testing and treatment, and has the privilege of being invited to discuss textiles and the fire code with many Safety Officials, Theater Professional Groups, and Fire Prevention Officers, most recently at the Fire and Emergency Services Training Institute (FESTI). Founded in 1978, On-Site has grown to be the experts in same day curtain cleaning and flameproofing.

### **Education Roundtable**

hosted by Scott Martin

Scott Martin will host an open discussion forum intended for anyone interested in the education and training for production and design students. As with our series of round tables this summer, this will be an open discussion with no fixed agenda. If there are any topics that you would like to discuss specifically, please let us know and we will do our best to include them.

Scott Martin is currently the Technical Director for the School of Performance at Ryerson University and has been the Secretary for the CITT/ICTS national board for the past year. Before starting at Ryerson in 2005, Scott was previously the Technical Director for Showplace Performance Centre in Peterborough, the PM/TD of the Sudbury Theatre Centre and PM/TD of the Georgian Theatre Festival in Meaford, ON. During his summers away from Ryerson, he has been a freelance lighting, rigging & sound technician as well as the Production Manager of the Peterborough MusicFest.

EDUCATION ROUNDTABLE IS SPONSORED BY NewRoads Performing Arts Centre & the Town of Newmaket, ON

## Grand Theatre Rigging Renovation

with Rick Boychuk

A presentation by Rick and Paul Fujimoto-Pihl about the major rigging renovation, the problems that were solved by innovative solutions. The new installation will feature front loading arbors, arbor traps, a retractable secondary loading gallery and self-climbing kneeling side lighting ladders.

**Rick Boychuk** is a rigging consultant, historian and inspector. **Paul Fujimoto-Pihl** is project manager for the Grand Theatre in London, Ontario and president of CITT Ontario.

GRAND THEATRE RIGGING RENOVATION IS SPONSORED BY GC Stage Equipment

Wednesday 19 • 4:30 p.m.

### Whistling in the Theatre

with Peter McKinnon

I've been researching the superstition that it is bad luck to whistle in the theatre, as a chapter in my upcoming book «Sailors and Stagehands», and now have enough information to present the odd and circuitous story of how this came to be.

**Peter McKinnon** is an Emeritus Professor of theatre at York University, and the co-editor of the World Scenography book series that was awarded the Golden Pen by USITT. Has received awards from OISTAT, CITT, USITT. A *bon vivant*.

### CITT/ICTS Annual General Meeting

All CITT/ICTS members are welcome to attend.

Registration for the AGM is required.

Download the 2020 AGM Agenda (bilingual) Download the 2019 AGM Minutes (bilingual)

Copy of the 2020 Financial Statement is available on demand to members only and will be presented at the meeting.

### THE AGM IS SPONSORED BY

University of Toronto and Sheridan College, Theatre and Drama Studies Program

### **SWAG BINGO!**

The ever zany Swag Bingo is back, but this time we are going virtual with bingo caller Laura Coleman!

This year, Swag Bingo will be on-line! We will provide the electronic cards and the instructions at the beginning of the evening.

As this is our FUNraising event, all funds collected will be donated to The AFC. Let's play Bingo!

An email from <a href="mailto:invites@mail.myfreebingocards.com">invites@mail.myfreebingocards.com</a> will be sent to all those registered around 3:00pm Wednesday, August 19 giving you access to six (6) Bingo cards which can be played on the computer or printed and dabbed in person. Be sure to check your spam folder if you did not receive the cards. Game instructions will be given at the top of the program. Opportunity for prizing! Corner!

SWAG BINGO IS SPONSORED BY GerrAudio

## Hiring for Diversity Panel Discussion

with Cheryl Batulis, Alyson Colón, Sedina Fiati, Autumn Coppaway, Rachel Forbes & Shanna Miller

The panel discussion will explore the current state of Canada's theatre industry in relation to diverse representation among our members and inclusive practices, cultures, and environments. Our panelists will discuss their personal experiences nd perspectives on the industry, with a vision on the future and what we can do to create more diverse and inclusive workplaces.

Alyson Colón - Associate Director at the Institute for Gender and the Economy, UofT Rotman School of Management, She holds a Master's degree in Women and Gender Studies from UofT. Alyson is committed to advancing the conversation on gender dynamics in the workplace and larger society through rigorous research. Cheryl Batulis - Director at Places, a boutique HR agency for entertainment professionals. After 12 years representing backstage professionals, Cheryl decided to underpin her experience with concrete knowledge, earning both a BFA and CHRP designation. She now looks forward to helping people develop to their full potential. Sedina Fiati - Toronto based performer, producer, director, creator and activist for stage and screen. Proudly Black and queer, Sedina is deeply invested in artistic work that explores the intersection between art and activism, either in form or structure or ideally both. Sedina holds a BFA in Music Theatre from the University of Windsor, Fayourite and recent artistic projects: Peace Camp (Children's Peace Theatre, director), Every Day She Rose (Nightwood Theatre, co-director), Switch: The Village (collective member, QTBIPOC street performance, Buddies in Bad Times 2018 & 2019), Feminist Fuck It Festival (multidisciplinary festival, co-creator and co-producer), Tokens (performer, web series). Upcoming projects: Switching Queen(s) (devised street performance), Last Dance (a web series). Sedina is also a Principal with BIPOC Executive Search, working on equity, diversity and inclusion initiatives.

Autumn Coppaway is the Technical Director for Vancouver Opera. Her past credits include Technical Director for Banff Centre's Opera in the 21st Century Program; Assistant Technical Director for the Canadian Opera Company; Production Manager for Against the Grain Theatre; Production Director for Carousel Players; Director of Production for Production Agency (now Bespoke AV) and Assistant Technical Director for the Grand Theatre in London. Autumn also spent 8 years as a rigging, lighting, and video technician for a variety of companies across the country. Autumn is a member of the Opera America and Opera Europa Technical Production Committees and has recently been elected to the CITT / ICTS Board. She continues to work as a leadership mentor and indigenous advocate through a variety of cultural and community projects. Rachel Forbes is an award-winning set and costume designer creating for theatre, dance, opera and film. Her work has been seen across the country on stages big and small including the Shaw Festival, Buddies in Bad Times, Obsidian Theatre, Neptune Theatre, Centaur Theatre and many more. She has designed and mentored at educational institutions such as Ryerson University and UTSC. Rachel is particularly interested in the development of new works and interdisciplinary explorations. She is invested in exploring the artistic expressions of the African diaspora in North America and beyond. Shanna Miller (She/Her) is currently the Technical Director at Young People's Theatre in Toronto. Shanna has worked with many theatre and dance with companies. Credits include Stria (ChartierDanse); Svadba - Wedding (Queen of Puddings Music Theatre); Agokwe (Buddies in Bad Times Theatre); Spin by Evalyn Perry (Outspoke Productions); Penny Plain, Billy Twinkle; Requiem for a Golden Boy and 10 Days on Earth, Provenance (Ronnie Burkett Theatre of Marionettes); A Craigslist Cantata - 2014 Alberta Tour (Acting Up Stage Company); I Send You This Cadmium Red - 2014 (Art of Time Ensemble); Kaeja d'Dance 25th Anniversary Concert (Kaeja d'Dance); Rocking Horse Winner - 2016 (Tapestry Opera); Sleeping Beauty and Peter Pan in Wonderland (Ross Petty Productions). Shanna is a graduate of the National Theatre School of Canada Technical Program.

# Snap, Crackle, Pop! Manage & Monitor your Onstage RF Audio

with Timo Liski - Wavetool

Picture this... You've got multiple channels of wireless onstage and everything is going to plan, so far... until all of a sudden, you and your entire audience are alarmed with a loud 'SNAP, CRACKLE and POP' through the PA. All eyes shift momentarily from the stage to you... then back to the stage as the show carries on. Your adrenaline spikes and your mind races through all the possibilities for what could have caused the incident. You look down at your console, over to your RF rack and then back to the stage... you have some ideas of what happened, but can't be sure until intermission. You start counting down the seconds until the house lights come on and you have a chance to run backstage to investigate. You cross your fingers and hope that it doesn't happen again between now and then...

HAS THIS EVER HAPPENED TO YOU? Learn how Wavetool can ease your mind and streamline your workflow when juggling multiple channels of wireless onstage.

Timo Liski began his career in live audio by running a local sound company in Finland from 2001-2009. Eventually, his passion for technology and mixing led him into the touring world, where he found himself acting as a FOH / system tech / wing man for various global acts. Timo toured between 2009-2016 with various artists like Bryan Adams, The Black Keys and Neil Young, until he and a business associate started programming Wavetool which led to its publication in June of 2016.

### Mic Placement Techniques

with Ben Escobedo - Shure

The content and goal of the session will include: introduction to lavalier microphones, tools and problem-solvers, lavalier on talent, wireless bodypack placement, troubleshooting lavalier issues, other microphones on stage and additional tips for Theater Production.

**Ben Escobedo** is a Senior Market Development Specialist for the Shure Pro Audio team and is based out of New York City. With a strong background in theater and broadcast, he often presents and discusses on wireless best practices, spectrum issues and microphone optimization.

### **Tom Patterson Theatre Tour**

with Greg Dougherty - Stratford Festival

Join Greg Dougherty, Technical Director, for a virtual tour of the brand-new \$68-Million Tom Patterson Theatre Centre at the Stratford Festival. The new 77,500-square-foot theatre has been designed by architect Siamak Hariri of Toronto-based Hariri Pontarini Architects.

With inspiration taken from its riverside setting, the theatre's exterior features undulating glass walls, hung with thin bronze mullions. At the heart of the building, clad in lime-washed brick masonry, is the 600-seat thrust-style auditorium. The building also features a rehearsal hall, education studio and "the Forum" - a flexible performance and reception space.

### **Panelists**

Stratford Festival: Mike Duncan - Head of Audio, Doug Ledingham - Head of Lighting and Tim Hanson - Head of Lighting. Horizon Solution: Carl Lukings and Dan Nagle.

**Greg Dougherty** is The Technical Director of the brand new Tom Patterson Theatre at the Stratford Festival. Building and Commissioning a new space has been a career long goal and he is thrilled to be seeing it through! Previously Greg has been the Technical Director for The Canadian Stage Company, Theatre Aquarius, Opera Hamilton and other companies. Greg has also spent many years as a theatrical and freelance Technician.

Horizon Solutions provides technology based solutions for Performance, Education, Entertainment, Worship and Business. Our work takes us to world renowned theatres, small country churches, board rooms of world class corporations, elementary school gymnasiums and across university campuses. For over 35 years our focus has been solutions. whoishorizon.ca

### **TD Roundtable**

hosted by Matt Frankish

Matt Frankish will host an open discussion forum intended for Technical Directors, Production Managers and anyone else interested in technical management issues. The format is open to topic suggestions from the floor and intended to act as a means of information sharing and connection.

TD ROUNDTABLE IS SPONSORED BY Moose Rigging