

WEDNESDAY

THE WEST HALL

10:00	Exhibition opens in The West Hall
18:00	Exhibition Hall closes



PALM COURT SUITE 3

Zero 88 - Hands on FLX Training - Drop in

10:00 – 11:15	Session 1	14:30 – 15:45	Session 4
11:30 – 12:45	Session 2	16:00 – 17:15	Session 5
13:00 – 14:15	Session 3		

PALM COURT SUITE 5

12:30 - 18:00 **Wenger Symposium - Future trends in design, technology and safety**

*(You need to have pre-registered to attend this. If you have not done so, check with the show organisers for availability)*

**Guest Speakers**

Oliver Leigers – BGVC1 Accredited International Safety Inspector  
Tom Stickland – Theatres Advisor, The Theatres Trust

This afternoon session will include a report on the spending plans of the UK Theatre sector as well as innovative case studies, new developments and trends presented by some of the most respected companies in our industry.

**Companies presenting:**

Wenger Corporation | JR Clancy  
HOAC, Black Cat Music & Acoustics  
Vari-Lite Strand  
J&C Joel





**VECTORWORKS**<sup>®</sup>

A NEMETSCHek COMPANY

PALM COURT SUITE 4

The format of the seminars will last 45 minutes long with 15 minute breaks in between so that attendees can drop in and out. The seminars will demonstrate that Vectorworks is not just a lighting programme, but an all in one design solution with a wide variety of tools to help designers that visit ABTT

10:30	Concepts and Workflows, Templates, Project Sharing,
11:30	The Lighting Toolset
12:30	Inserting Speakers, Cable Toolset and Custom Reports,
13:30	Truss, Hoists and Rigging and Reports - Braceworks
14:30	3D and Rendering, VR and Webview
15:30	Lighting Visualising – Vision

11:00	<p><b>HSE Fundamental Legal Duties</b> presented by Karl Raw (see HSE panel)</p>
12:00	<div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p><b>Outboard and Sound Technology: Immersive Audio with TiMax and JBL VTX A8</b></p> <p>Out Board will present an exhilarating sampler of TiMax immersive audio soundscapes along with panoramic and 3D spatialised music playback, using a multi-channel immersive sound system of JBL's VTX A8 line array and AE Compact point source loudspeakers.</p> <p>There will also be updates on some of the latest TiMax innovations including the new mighty HARDCore FPGA spatial processing engine for TiMax SoundHub, and the groundbreaking new TiMax TrackerD4 all-purpose performer tracking system. Sound Technology will demonstrate the VTX A8 system including the latest hardware accessory products and updates to the Line Array Calculator and ArrayLink software applications.</p>
13:30	<p><b>Clear-Com</b> Vinnie Macri (Clear-Com) and Jason Crystal (Hamilton), discuss the transition from analog to digital intercom, best practices for implementation, and how to scale intercom systems for large musicals like Hamilton.</p>
14:30	<p><b>ETC Augment3d Presentation</b></p> <p>ETC will provide an in-depth presentation on its first integrated 3D programming environment: Augment3d. The new and exciting tool will be part of the Eos v3.0 software and lets users control and design in a three dimensional space as well as interact with their fixtures through augmented reality. The session will provide a demonstration of the tool and an opportunity for visitors to discuss any questions with product specialists.</p>
15:30	<p><b>ABTT Technical Standards for Places of Entertainment</b> is recognised by the HSE as forming part of a Code of Practice for the Theatre Industry and as an Established Standard under their Enforcement Management Model. There have been a number of amendments to the Technical Standards since last year's ABTT Theatre Show. This session will provide a guide to the amendments and offer the opportunity to discuss your questions about safety and compliance.</p>
16:30	<p><b>ABTT Hearing Protection updates</b></p> <p>Following the Appeal Judgement in the case of Goldsheider v ROH, this session will discuss the issues around hearing protection, the implications of implementing Hearing Protections Zones under the Control of Noise at Work Regulations 2005 and interpretation of the guidance contained within Sound Advice which contains practical guidelines on the control of noise at work in music and entertainment.</p>

**WEDNESDAY****THE ROMAN BAR****TAIT***Turn right on entering**Turn left on entering*

11:00	<b>Theatron</b> - Practical Demonstration	11:00 - 12:30	<b>TAIT</b> Entertainment Automation: Intro to iQ powered by Navigator
12:30	<b>Stage Management Association Annual Awards</b>	15:00 - 16:30	<b>TAIT</b> Entertainment Automation: Intro to iQ powered by Navigator
15:00	<b>Stage Management Association Prompt Desks</b> (see below)		

**FORUM** After discussions on H&S since the April meeting, we will welcome notes and input from health and safety specialists experienced on compliance for DSE equipment and workstations (DSE regulations and recommendations do generally apply to prompt desks).

We are also keen to develop specifications for decent monitors for prompt desks and cueing purposes, proper fully adjustable seating, and standards for flexibility and ergonomic design and calling of shows, plus to learn about products and kit which would be suitable for use with or incorporation into prompt desks.



**IN THE WEST HALL WED & THU**

Stage Management Desk training will be available in the Training Zone. Go to GDS on Stand I3 to book your session

Hearing tests will be made available. Go to RB Health & Safety on Stand G1 to book your session

**THE PALACE SUITE****ROBE®**

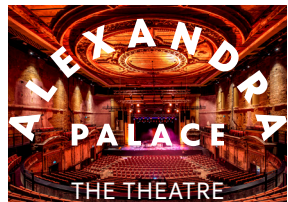
Robe Lighting will be showcasing our latest fixtures at ABTT including the brand new T1 range of LED powered fixtures. The T1 range is the perfect set of fixtures you need for theatre, television and touring and now with the option to be connected to the Robe innovative RoboSpot system. Specifically designed to fulfil the challenging requirements of these diverse applications within one comprehensive fixture. The new revolutionary MSL™ (Multi-Spectral Light) LED engine's output reaches 10,075 lumens. It's impressively bright. Visit [www.robeuk.com/t1-profile](http://www.robeuk.com/t1-profile) for more information.

T1 range is full of theatrical subtlety. With CMY colour control, DataSwatch™ filters containing a selection of pre-programmed colours via the new generation RCC™ (Robe Colour Calibration) algorithm and a wide ranging 2700K to 8000K CCT control, all variations of colour are possible for even the most demanding designers. The precise needs of theatrical dimming are catered to with our super smooth Robe 18-bit dimming system. In addition, the high CRI of 90+ provides natural skin tones.



Wed 11:00	<b>Fundamental legal duties</b> as well as outlining the more well-known aspects, Sections 2 General duties of employers to their employees and 3 General duties of employers and self-employed to persons other than their employees, it will look to reduce the fog over voluntary organisations/School/Colleges and how they can fulfil their duties under law in a streamlined manner proportionate to their undertaking.
Thu 11:00	<b>What to expect when the regulator calls.</b> This will complement the first day's session and look to discuss what to expect when a regulator calls. It will look to enlighten how HSE and Local Authority work together, though in reality the boots on the ground inspection\ investigation is normally by LA. We will include as part of this a brief case example on a topic maybe Work at Height and falling objects weaving into this control of contractors and co-operation between individuals.
Wed Thu	<b>ABTT Stand Palm Court - Clinics</b> - Open surgery drop in sessions within the general forum area. Enquire at ABTT Stand for details.

10:00 - 13:00	<b>In Loyal Company</b> Fit up & Focus. Theatre closed.
12:30	<b>ABTT Cymru Theatre Foyer</b> Meeting
13:30	<b>Charcoalblue Theatre Auditorium</b> David Wilmore from Theatresearch along with Rich Garfield and Caroline Rouse from Charcoalblue will talk us through the history of the Alexandra Palace Theatre and the brief, theatre planning and technical installations of the recent RIBA Award winning restoration project
15:00	<b>HD Pro Theatre Auditorium</b> <b>Implementing L-Acoustics into the Theatre Sound Environment</b> A presentation of how L-Acoustics worked alongside integrator, HD Pro Audio, to design and install the Alexandra Palace Theatre Sound System. Including listening demonstration of the KARA front of house sound system and presentation on utilising the P1 Processor in a theatre, on a day to day basis. Presented by Jeff Woodford - L-Acoustics Application Engineer, Install - United Kingdom, Ireland and Andy Huffer of HD Pro Audio.
17:45	<b>Young ABTT Theatre Foyer</b> Meeting
18:30	<b>Annual ABTT Awards Theatre Foyer/East Court</b>
18:45	House open. Public Admission to foyer
19:45	<b>In Loyal Company</b> - Tickets £20 on the door. Performance Commences



THURSDAY

THE WEST HALL

10:00	Exhibition opens in The West Hall
17:00	Exhibition Hall closes



PALM COURT SUITE 3

Zero 88 - Hands on FLX Training - Drop in

10:00 - 11:15	Session 1	14:30 - 15:45	Session 4
11:30 - 12:45	Session 2	16:00 - 17:00	Session 5
13:00 - 14:15	Session 3		



VECTORWORKS®

A NEMETSCHek COMPANY

PALM COURT SUITE 4

The format of the seminars will last 45 minutes long with 15 minute breaks in between so that attendees can drop in and out. The seminars will demonstrate that Vectorworks is not just a lighting programme, but an all in one design solution with a wide variety of tools to help designers that visit ABTT

10:30	Concepts and Workflows, Templates, Project Sharing,
11:30	The Lighting Toolset
12:30	Inserting Speakers, Cable Toolset and Custom Reports,
13:30	Truss, Hoists and Rigging and Reports - Braceworks
14:30	3D and Rendering, VR and Webview
15:30	Lighting Visualising – Vision

PALM COURT SUITE 5

10:00 - 11:30	Association of Sound Designers - AGM
12:00 - 13:00	PiPA Session
14:00 - 17:00	Production Managers Forum

PiPA - Parents and Carers in Performing Arts

A focus group to identify the challenges for backstage workers with caring responsibilities as well as potential strategies for support.

PANORAMA ROOM

14:00 - 17:00	SAGE Meeting (closed meeting)
---------------	-------------------------------

Production Managers Forum

Focus on Welfare within Technical and Production Roles, featuring a guest panel from The Stage, BECTU, SMA and fellow Production Managers. Two panel sessions 14:30 and 15:30

09:00	<b>Associations Meeting</b> (closed meeting)
11:00	<b>HSE</b> What to expect when the regulator calls (see HSE panel)
12:00	<b>Mental Health at Work Seminar</b>
13:00	<b>d&amp;b audiotechnik</b> The Royal Albert Hall installation
14:00	<b>ETC Augment3d Presentation</b> ETC will provide an in-depth presentation on its first integrated 3D programming environment: Augment3d. The new and exciting tool will be part of the Eos v3.0 software and lets users control and design in a three dimensional space as well as interact with their fixtures through augmented reality. The session will provide a demonstration of the tool and an opportunity for visitors to discuss any questions with product specialists.
15:00	<b>Outboard and Sound Technology: Immersive Audio with TiMax and JBL VTX A8</b> See details from Wednesday


**THE ROMAN BAR**


*Turn right on entering*

*Turn left on entering*

11:00	<b>Theatron</b> - Practical Demonstration	11:00 - 12:30	<b>TAIT</b> Entertainment Automation: Intro to iQ powered by Navigator
11:45	<b>BECTU</b> Presentation. Tax advice from Tony Lennon		
12:30	<b>Chris Higgs</b> Rigging standards. What exists, what's changed and what the future holds.	15:00 - 16:30	<b>TAIT</b> Entertainment Automation: Intro to iQ powered by Navigator
13:30	<b>James Eade</b> The impact of the IET Wiring Regulations, 18 <sup>th</sup> Edition to theatre and events. An overview of the new IET guidance on generators. Updates to Portable appliance testing		
14:30	<p><b>SIPA</b> Presentation. As cultural organisations begin to declare a climate emergency, what actions can we as technical solution providers to the live production industry do to support the transition to an economy that is regenerative by design?</p> <p>During this informal meeting, a number of SiPA advocates will outline the framework of a circular economy, presenting a few examples – based on recent research – that show our industry's transition to a renewably powered, restorative economic model.</p>		

THURSDAY

THE PALACE SUITE

# ROBE®

Robe Lighting is proud to showcase the revolutionary RoboSpot follow spot system at ABTT and is offering training sessions with four systems kindly sponsored by CEG. Sessions will be held at the Robe stand at 11am, 12pm, 3pm and 4pm on Thursday 6th June, will be focused on the set-up and operation of the system.

The RoboSpot follow spot system allows follow spot operators to remotely control up to 12 fixtures simultaneously without the safety concerns and impracticality of placing personnel at the top of venues such as stadiums, indoor arenas, concert halls, theatres, TV and film sets. Stunning visual displays are now possible with as many as 12 perfectly synchronised fixtures following a performer across the stage.

With the RoboSpot follow spot system it is no longer necessary to send operators into the rafters of venues to operate heavy and cumbersome traditional follow spot fixtures that take up valuable space in the world's live entertainment venues. Operators can now safely control multiple fixtures such as the BMFL range of products, T1 Profile, T1 Profile FS, DL7S, DL4S, MegaPointe and Pointe from any location within the venue, reducing set-up times and operating costs.

The Robe RoboSpot system features a BaseStation with a large 15.6-inch HD touch screen for the operator to observe the performance from a "first person" viewpoint and a full range of hand controls for operating the fixtures such as pan, tilt, intensity, focus, faders and many others, all of which are fully customisable for the operator's benefit. The screen receives the live video feed from the RoboSpot MotionCamera or from the fixture-mounted RoboSpot camera and the operator's commands are instantly transferred to the luminaires via DMX control with no lag for perfect motion tracking across the stage.



Extra controls are available through the touch screen display as well as four programmable jog-wheels with an additional 10 fully configurable buttons for a truly customised user experience. The remote lighting desk still retains control of the internal features of the fixtures such as light intensity and colour. All these features combine to make RoboSpot an innovative follow spot system. For more information on the system prior to the show visit our website at [www.robeuk.com/roboSpot](http://www.robeuk.com/roboSpot)

## ABOUT THE ABTT

The Association of British Theatre Technicians is a charity and a company limited by the guarantee of its members. We campaign on behalf of the theatre industry to ensure legislation is appropriate to the industry's needs, and that regulations are suitably drafted and enforced.

## ABTT THEATRE SHOW

### *How it all works*

#### **SUPPORT THE SHOW - SUPPORT YOUR INDUSTRY**

The Technical Standards publication is an example of the work undertaken by the ABTT for the benefit of the industry. Further examples include Codes of Practice for the use of Tallescopes and Plaster Ceiling Inspection.

The development of professional standards and training is essential for our industry. This keeps us in alignment with broader legislation, helps to make our workplace safer and sets the UK apart as leading practitioners in the world entertainment marketplace.

All of this work is funded by commercial activity of which the **ABTT Theatre Show** is a significant contributor.

Your support is important. Please remember that the profit is ploughed back into your industry. Your involvement is part of your corporate sustainability policy!

In the end, our industry will continue to flourish if we look after it. Let it remain that way please!

Isobel Hatton  
*Show Director*

**2020**

**Wednesday June 10<sup>th</sup> 10am - 6pm**  
**Thursday June 11<sup>th</sup> 10m -5pm**

**2021**

**Wednesday June 9<sup>th</sup> 10am - 6pm**  
**Thursday June 10<sup>th</sup> 10m -5pm**