



# PROGRAMME OF EVENTS



**Introducing the d&b Soundscape: the evolution of the listening experience.**

Combining d&b loudspeaker systems with state-of-the-art processing power, object-based mixing and sophisticated room emulation, d&b Soundscape is a toolkit to enable the creation of an unparalleled listening experience - natural, harmonious, enveloping and emotionally engaging.

Almost 5 years in development and with extensive field testing by some of the world's leading artists and venues, d&b Soundscape changes the approach to live sound mixing and system design. What has long been an exercise in managing limitations now becomes a process that is freely creative, far from the restrictions of mix busses and stereo imaging, this new technology allows the creation of sound system designs with which acoustic environments can be created and sound sources placed and moved.

**WED 6**

## THE LONDESBOROUGH ROOM

10:00	Exhibition opens in The West Hall. ABTT Network Bar open
10:50 – 12:00	<p><b>d&amp;b audiotechnik</b>            Soundscape demonstration            10:50-11:00 - Please take your seats            11:00-11:45 - Presentation            11:45-12:00 - Q+A</p>
12:15 - 13:00	<p><b>Gerriets</b>            Cargo heavy duty tracks for the entertainment industry</p>
13:15 – 14:00	<p><b>James Eade is joined by fellow IET committee member Paul Chaffers of NAPIT to give an insight into the forthcoming changes to electrical standards</b></p> <p>“Metal cable ties are now required for all cables rigged on truss or temporary structures. Discuss...”            In this seminar the industry experts give an insight into the forthcoming changes to electrical standards. Is it true that metal cable ties are now required? Do surge protective devices have to fitted to all distribution equipment? Is it true: that all lighting circuits must now have individual RCD protection on each socket? or that 16A ceeforms cannot be used for disconnecting live loads? or, potentially worse still, that 30mA RCDs will be required on all sockets 63A and under and all foundation steelwork must be connected to the earthing system?</p> <p>So come along and find out what is fact and what is Facebook and take the opportunity to quiz those involved in developing the standards themselves.</p>
14:00 - 15:00	<b>ABTT Session - H&amp;S Surgery : Production &amp; Operational Health &amp; Safety Compliance</b>
15:20 – 16:30	<p><b>d&amp;b audiotechnik</b>            Soundscape demonstration            15:20-15:30 - Please take your seats            15:30-16:15 - Presentation            16:15-16:30 - Q+A</p>
17:00 -18:00	<b>Philips - The story of Vari-Lite</b>
18:00	Exhibition Hall closes
18:15	<b>ABTT Awards</b>

**WED 6**

## THE PALACE SUITE

13:00 - 14.45	<b>Annual Stage Management Association Awards</b>
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11:00 – 13:00	<p style="text-align: center;"><b>ALD Session - #SAVESTAGELIGHTING</b></p> <p>The European Union (EU) is proposing, in its Eco-design Working Plan 2016-2019, to change the rules that govern the light sources used in theatrical productions. In effect, they want to bring the vast majority of quality theatre lights under the same rules that govern domestic and office and industrial lighting.</p> <p>These new regulations are intended to start from 1 September 2020 and if implemented as written, would dramatically impact all areas of entertainment lighting and all who work in this field – lighting creators, lighting users and lighting manufacturers. The impact on theatrical production across Europe would be immediate, and overwhelming.</p>
13:15 - 14:00	<p style="text-align: center;"><b>Theatron - Practical Demonstration</b></p> <p>Theatron is state of the art production planning software developed together with theatre professionals for theatres. It enables theatres, opera houses and various festival organisations to plan their production rehearsals and show timetables, manage the work shifts for technical personnel and share this information with the whole organization.</p>
14:15 - 15:00	<p style="text-align: center;"><b>Sebastian Barnes - Trailblazers The Future of Technical Training.</b></p> <p>Join us to explore what theatre technical training is out there, the pros and cons of some, where do technical apprenticeships fit? Presentation and debate.</p>
15:15 - 16:30	<p style="text-align: center;"><b>Clear-Com</b></p> <p>The transition from analog intercoms to digital “networking” intercoms. This scares most “Audio” people and we explain how this works and how much IT they need to understand. The transition from analog UHF wireless intercoms is changing since Government sell off is taking the RF spaces. We will explain what technologies are available in newer digital wireless intercoms and the challenges in deploying these.</p>

## #SAVESTAGELIGHTING

1. New regulations proposed for September 2020 will impose a minimum efficiency of 85 lumens per watt and a maximum standby power of 0.5W on all light sources (lamps or self-contained fixtures) to be sold in the EU.
2. The existing version of these regulations includes an exemption for stage lighting. The new regulations do not (though they do include exemptions for video projection, and suggest an exemption for stage lighting that appears to have mis-understood the light levels/power requirements of most theatrical lighting fixtures).
3. No tungsten fixtures meet this requirement. Many LED-based entertainment fixtures do not meet those requirements. After September 2020 no new stocks of such equipment can be supplied to the market in the EU.
4. Manufacturers suggest that the limits of optical design and LED efficiency mean that they will not be able to create certain types of fixtures that do meet the requirements by September 2020.
5. Nothing in the rules stops you from using existing fixtures. But bulbs can't be supplied to market and once you can't get new bulbs, existing fixtures become worthless - effectively scrap. It is unknown how long existing stocks of bulbs will remain available.
6. Replacing your existing fixtures might well mean replacing your entire dimming and control infrastructure.
7. All this for power savings that might be relatively small, given the way entertainment lighting is typically used, and will likely be far outweighed by the scrap created and the energy required to manufacture and distribute new fixtures.
8. Important tools from a lighting designer's toolkit will be lost within the EU, some forever.
9. This will dramatically affect performance venues and productions of all types and scales, including new and existing (long-running, long-standing rep) productions
10. There are very few precedents for technologies to be banned if they are not unsafe to use.



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## **PALM COURT SUITE 3**

	<p><b>Zero 88 Training at ABTT Theatre Show</b>          Hands-on introduction and training sessions repeated throughout the day designed to familiarise you with the operation of the FLX family consoles.          Feel free to book or simply drop in on the day.          Presenters: Edward Smith &amp; Jon Hole</p>
10:00 – 11:15	<b>Session 1</b>
11:30 – 12:45	<b>Session 2</b>
13:00 – 14:15	<b>Session 3</b>
14:30 – 15:45	<b>Session 4</b>
16:00 – 17:15	<b>Session 4</b>
16:30 – 17:30	<b>Session 5</b>
	Email <a href="mailto:training@zero88.com">training@zero88.com</a> for more information, and to book your place

**WED 6**

## **PALM COURT SUITE 4**

Vectorworks invites the ABTT attendees to a programme of educational seminars. There will be 6 sessions throughout the day to cover the following topics.

**Templates, publishing and Project sharing, Lighting, Sound, 3D and rendering, VR and Webview, Rigging-Braceworks, Lighting visualising - Vision**

*The format of the seminars will last 45 minutes each with a 15 minute break in between each one so attendees can drop in and out of the sessions so they can learn about the areas of most interest to them as well as visiting other areas of the show. It will also demonstrate that Vectorworks is not just a lighting programme and covers a wide variety of design tools to help designers that visit ABTT.*

*The seminars will incorporate some tips and tricks, best practice workflows and renderworks to help with projects. Proper truss design is crucial to ensuring the safety and success of your entertainment design projects and our Braceworks session provides you with an in-depth look at how to conduct structural analysis in the entertainment field.*

**10:30 Templates, Publishing and Project sharing**

**11:30 Lighting**

**12:30 Sound**

**13:30 Rigging - Braceworks**

**14:30 3D and rendering, VR and Webview**

**15:30 Lighting visualising - Vision**

**WED 6**

## **PALM COURT SUITE 5**

13:00 – 14:30	<b>AutoCad - Study centre for updates and tips</b>
1500	<b>Production Managers Forum</b>

**HSE Clinics  
Recruitment  
Mentoring Sessions**

To book, please contact the organisers

**WED 6**



## **ABTT H&S SURGERY**

### **PRODUCTION & OPERATIONAL HEALTH & SAFETY COMPLIANCE**

Technical Standards for Places of Entertainment is recognised by the HSE as forming part of a Code of Practice for the Theatre Industry and as an Established Standard under the Enforcement Management Model: although non-statutory compliance with the recommendations of the guidance is likely to support a defense in law. This session will provide a guide to the amendments and offer the opportunity for a safety and compliance surgery to discuss your questions about managing work in the production and venue environments safely. Session: 14:00 Londesborough Room.



## **MEET THE HSE INSPECTOR**

**WED 6**

**THU 7**

The new inspectors for the entertainment sector, David Kivlin and Karl Raw, will be at the ABTT Theatre Show and will be available to answer questions and provide advice at an informal forum in the morning and afternoon on both days. Michael Anderson, Chairman of the ABTT Safety Committee, will act as host. These sessions will provide anyone with a question about Health & Safety compliance and unparalleled opportunity to hear from the enforcement authorities own representatives. Do seize the opportunity to understand what needs to be done to meet the legal obligations.

Please contact the ABTT staff on their stand in Palm Court to arrange meeting times and location.



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10:50 – 12:00	<b>d&amp;b audiotechnik</b> Soundscape demonstration 10:50-11:00 - Please take your seats 11:00-11:45 - Presentation 11:45-12:00 - Q+A	
12:15 - 13:00	<b>Gerriets</b> Cargo heavy duty tracks for the entertainment industry	
13:30 - 14:30	<b>Philips</b> - NEO console training and system solutions	
15:20 – 16:30	<b>d&amp;b audiotechnik</b> Soundscape demonstration -timings as above	
17:00	Exhibition Hall closes	

<b>THU 7</b>		<b>ABTT NETWORK BAR</b>
11:00 – 12:00	<b>Clear-Com</b> The transition from analog intercoms to digital “networking” intercoms. This scares most “Audio” people and we explain how this works and how much IT they need to understand. The transition from analog UHF wireless intercoms is changing since Government sell off is taking the RF spaces. We will explain what technologies are available in newer digital wireless intercoms and the challenges in deploying these.	
12:15 – 13:00	<b>Richard Parr</b> - LTC+ Discussion: The role of the Stage Technician	
13:15 - 14:00	<b>Theatron - Practical Demonstration</b> Theatron is state of the art production planning software developed together with theatre professionals for theatres. It enables theatres, opera houses and various festival organisations to plan their production rehearsals and show timetables, manage the work shifts for technical personnel and share this information with the whole organization.	

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<b>THU 7</b>		<b>PALM COURT SUITE 5</b>
11:30 – 13:00	<b>AutoCad</b> - Study centre for updates and tips	

<b>HSE Clinics</b> <b>Recruitment</b> <b>Mentoring Sessions</b>	
To book, please contact the organisers	