

ABU Technology

Activity Report for November 2022 – October 2023

Activities & Events

Training and Information/Knowledge exchange sessions
Conferences, Workshops, Masterclasses, Exhibition, Symposia

Advisory Service

Addresses Specific Member needs and requirements
Consultancy, Expert Visits, Specific Staff Training etc.

Technical Studies

4 Study Topic Areas – 19 active study projects
Production (4) | Distribution (4) | Spectrum (4) | Training & Services (3)

Reporting & Publications

Technical Review Magazine
& Reports, Study project updates, Industry Recommendations

International Collaboration

Collaboration with other international
organizations, like EBU, ASBU, OSBU, ITU, UNDRR ...



Activities & Events

Training and Information/Knowledge exchange sessions
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- ✓ **Webinar on Disaster Management, 14 Feb 2023**

Activities & Events

Training and Information/Knowledge exchange sessions
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✓ Webinar on Disaster Management, 14 Feb 2023

91

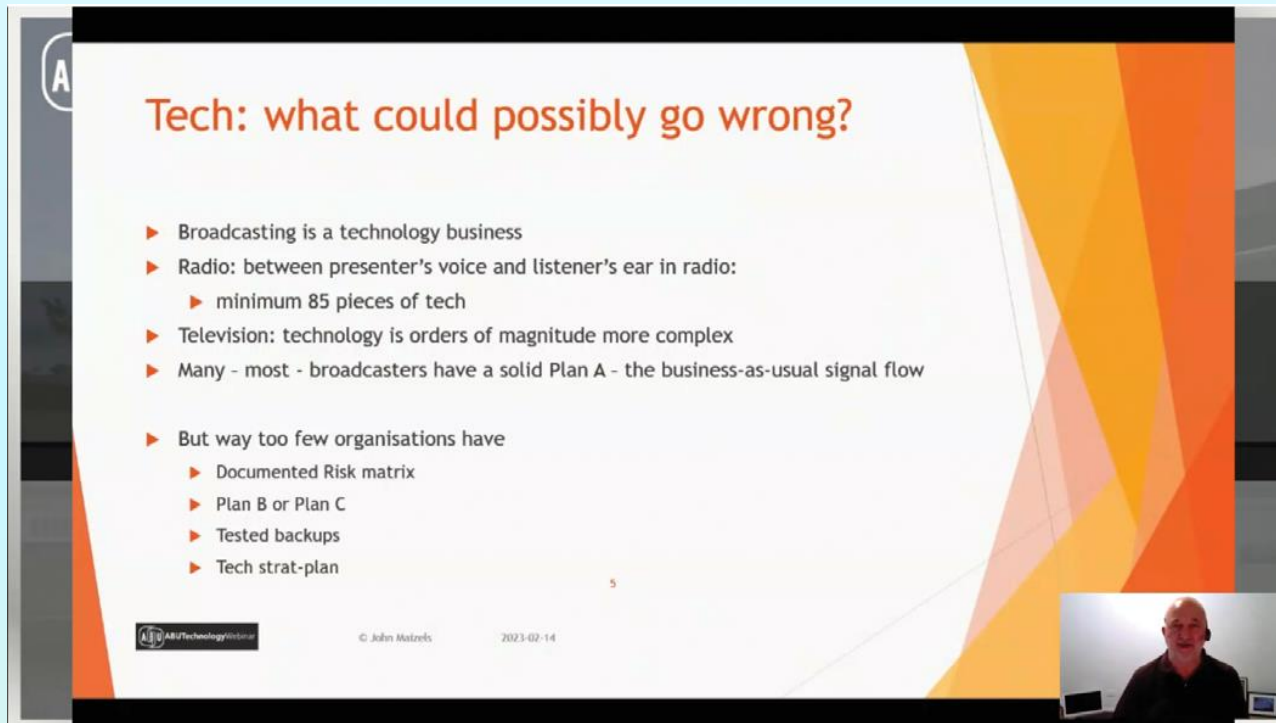
participants

50

organisations

25

countries



On 14 February 2023 **John Maizels** presented an ABU webinar on the topic

*“Disaster Management:
Simple Steps You Can Take to Avoid the Hot Seat”.*

The webinar was organised and hosted by ABU Technology. It was attended by over ninety participants representing close to fifty ABU member & nonmember organizations from 25 countries in Asia-Pacific and elsewhere.

John’s observation is that while technologists inherently seek to manage risk

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- ✓ **HDR vivid and Audio vivid Standards and Application**, 27 Apr 2023
- ✓ **4K UHD live video broadcasting over 5G wireless transmission network**, 27 Apr 2023

Activities & Events

Training and Information/Knowledge exchange sessions
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✓ **HDR vivid and Audio vivid Standards and Application, 27 Apr 2023**

190

participants

67

organisations

31

countries

✓ **4K UHD live video broadcasting over 5G wireless transmission network, 27 Apr 2023**



Activities & Events

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✓ **HDR vivid and Audio vivid Standards and Application, 27 Apr 2023**

190
participants

67
organisations

31
countries

✓ **4K UHD live video broadcasting over 5G wireless transmission network, 27 Apr 2023**

ABU Technology Webinar **The Speakers**

HDR vivid and Audio vivid Standards and Application



Ning Jinhui
Senior Engineer and
Deputy Director
NRTA, China

Zhang Jiandong
Senior Engineer
NRTA, China

Wang Rui
Engineer
NRTA, China



ABU Technology Webinar **The Speaker**

4K UHD live video broadcasting over 5G wireless transmission network



Linda Guo
Senior Product
Manager,
Sumavision
Technologies, China

Scenario: Multi-Camera

Time Synchronization, Multi-channel Encoding, Public Network transmission



4 HD Live Feeds

HD-SDI#1
HD-SDI#2
HD-SDI#3
HD-SDI#4



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✓ **Immersive Video in China**, 24 May 2023

Activities & Events

Training and Information/Knowledge exchange sessions
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✓ Immersive Video in China, 24 May 2023

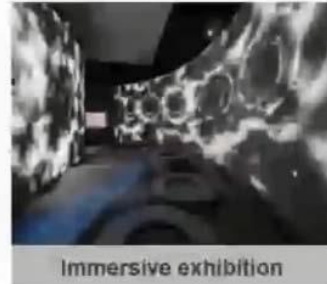
80
participants

53
organisations

28
countries



Application Scenarios



Ouyang Yue, a Senior Engineer at the Radio, Film & TV Design and Research Institute (DRFT), delivered the webinar session on **Immersive Video in China**. It was run as a part of the member innovations series that provides platform to share ABU member's stories, case studies and advancement in broadcasting. She discussed different areas of focus such as concept of **5G high-tech video** and Immersive Video, core elements and key technologies of Immersive Video, Immersive Video end-to-end Solution, use cases and application scenarios.

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✓ **From Digitization Till Monetization**, 22 June 2023

Activities & Events

Training and Information/Knowledge exchange sessions
Conferences, Workshops, Masterclasses, Exhibition, Symposia

✓ **From Digitization Till Monetization, 22 June 2023**

105
participants

51
organisations

25
countries

ABU Technology Webinar **The Speakers**

From Digitisation till Monetization

Nathan
Nathan is currently heading the Asian Sales and Marketing operations for both Silver Trak Digital and DAMsmart operating in Malaysia. With over 20 Years of field experience in the M&E space, he has built International smart partnerships and specialises in channels-building & their related "go-to-market" plans centred on market-driven services & productization. Prior to his current appointment, he had worked with regional Private & Public Broadcasters and National Archives bodies on their Archiving and MAM needs.

Rueben Thomas
Rueben Thomas has more than two decades of experience in ICT services and telecommunications, including enterprise software and hardware solutions in Southeast Asia and Australia. He has a deep understanding of the enterprise technology space from his earlier roles in organisations such as Oracle, HPE and Standard Chartered Bank.

Nathan
Vice President of Sales (Asia), DAMsmart & Silver Trak Digital

Rueben Thomas
Sales Director, Telstra Enterprise International



Activities & Events

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- ✓ **KBS Exhibition Features and Highlights at the KOBA2023 Show, 22 June 2023**

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Training and Information/Knowledge exchange sessions
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✓ KBS Exhibition Features and Highlights at the KOBA2023 Show, 22 June 2023

105
participants

51
organisations

25
countries

ABU Technology Webinar

The Speaker

KBS Exhibition Features and Highlights at the KOBA2023 Show

Jeongseob Kim received his B.E degree in electrical and electronic engineering from Yansei University. He joined KBS in 2012, and spent 7 years as a production engineer in the Outside Broadcasting Department, and is currently working as a KOBA exhibition coordinator in the Technical Administration Office.



Jeongseob Kim
KOBA exhibition coordinator,
KBS-Korea

3. KOBA Media Conference Day-1

Topics	Contents
Media Trends	- FAST, OTT and the future of broadcast - Social documentaries meet OTT
Advertising Monetization	- Streaming Success : Grow Your Audience to Grow Your Business and Increase Revenue
IP Broadcast Infrastructure	- The present and future of IP-based UHD production control room systems - Building an IP-based national distribution network
Lighting Trends	- Painting Emotion with Light - Safety in a Japanese TV studio
AI Trends	- ChatGPT and Generative AI will change the way you think - How giant language models and generative AI work
AI and Media	- The technologies being developed now to reduce the time and cost of localizing broadcast content - AI Music Bank Creation / AI color restoration workflow
Media Cloud	- How Global Media Customers Transform with AWS Cloud Media Services - Grass Valley AMPP Live Production Cloud Solution

Activities & Events

Training and Information/Knowledge exchange sessions
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✓ **ABU, ASBU, World-DAB Workshop, 18-20 July**

513

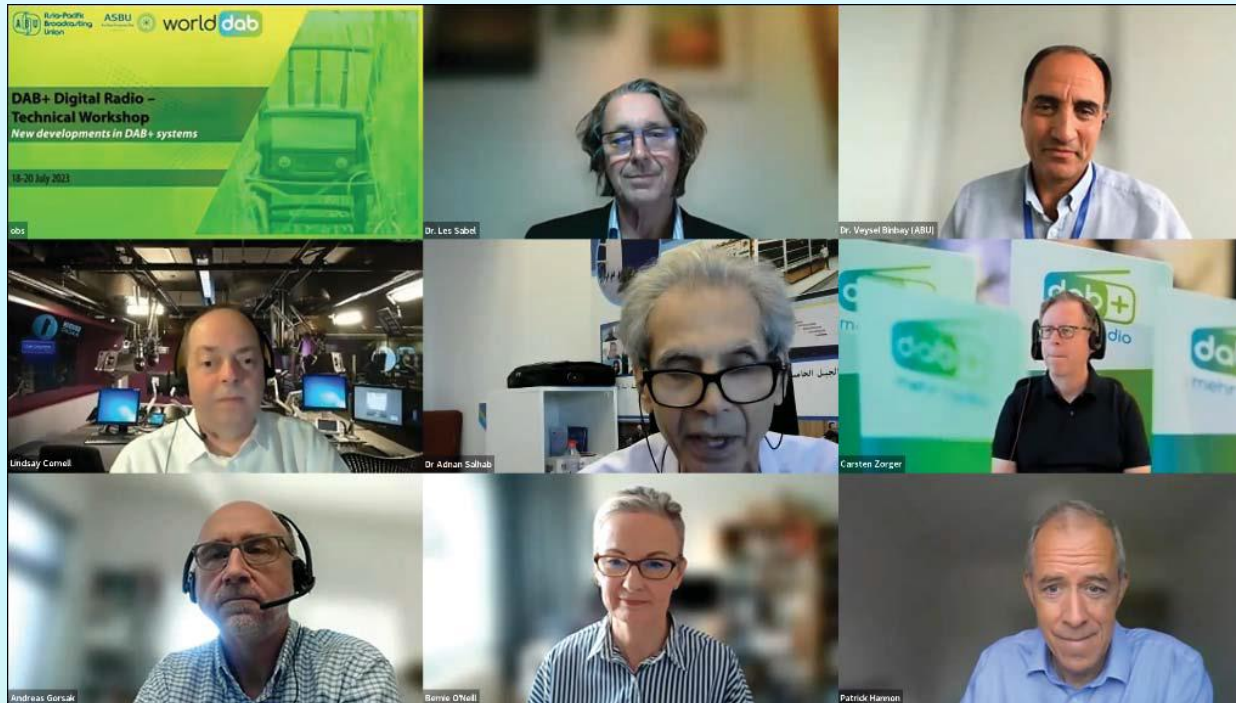
participants

150

organisations

55

countries



The Asia-Pacific Broadcasting Union (ABU), in collaboration with the Arab States Broadcasting Union (ASBU) and WorldDAB, jointly organized a Technical Workshop, from 18th to 20th July 2023, on DAB+ Digital Radio, focusing on the latest developments for DAB+ systems. The workshop aimed to provide broadcasters and other media professionals with an update on the most recent DAB+ advancements.

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- ✓ **Technologies for enhanced accessibility of live sports broadcasts, 27 July 2023**

Activities & Events

Training and Information/Knowledge exchange sessions
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✓ Technologies for enhanced accessibility of live sports broadcasts, 27 July 2023

105
participants

51
organisations

25
countries

ABU Technology Webinar **The Speaker**

Technologies for enhanced accessibility of live sports broadcasts

Masaki Takahashi received his B.S. and M.S. in Engineering from Keio University, Japan, in 1997 and 1999, and his Ph.D. from the Graduate University of Advanced Studies, Japan, in 2012. He joined the Japan Broadcasting Corporation (NHK) in 1999, and he has been working at the Science and Technology Research Laboratories from 2002. His research interests include sports video analysis and media accessibility technology. He was a visiting researcher at the University of British Columbia in 2012.

Masaki Takahashi
Chief Lead, STRL,
NHK-Japan

Technologies for visually impaired

NHK



Visually impaired people enjoy live sports!!



Audio descriptions



Haptic stimuli

Activities & Events

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- ✓ **ABU – IPPTAR Workshop
on Archive & Media Management** (*in-person event*), 1-3 August 2023

Activities & Events

Training and Information/Knowledge exchange sessions
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✓ ABU – IPPTAR Workshop on Archive & Media Management (*in-person event*), 1-3 August 2023

48
participants

20
organisations

8
countries



Activities & Events

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In Total :

50+ Countries

150+
Organizations

1000+ Participants



ABU DBS 2023

BACK IN BUSINESS

6-9 MARCH 2023

Digital Broadcasting Symposium 2023

6-9 March 2023



1000+
participants

277
organisations

48
countries



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International Collaboration

Collaboration with other international organizations, like EBU, ASBU, ITU, UNDRR ...

**World
Broadcasting
Unions**



HFCC



ASBU

اتحاد إذاعات الدول العربية
جامعة الدول العربية





Asia-Pacific Broadcasting Union
Kuala Lumpur, Malaysia

Thank you...

ABU Technology

TD & IT TEAM



SHREE BHADRA



AQILAH



SARAVANA



SIVA



SHARZUAN



NERINA



IRFAH



PAUL