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ANC ACOUSTICS & NOISE CONSULTANTS | Chartered Institute of Environmental Health

Soundscape in Practice

Overcoming Traditional Acoustic Challenges

To Urban Planning and Development

One Day Workshop

Tuesday, 25 June 2019

Chartered Institute of Environmental Health
Chadwick Court, 15 Hatfields, London, SE1 8DJ

#SoundscapeWorkshop2019

Programme

Part One – Soundscape Overview and Theory

Session chair: Jack Harvie-Clark, Association of Noise Consultants

This session will provide an overview of the emerging field of applied soundscape practice. The importance and opportunities offered by this approach will be explained in enabling both noise producing and sound sensitive development within a thriving, sustainable economy.

09:00 – 10:00	Registration and light refreshments Posters*		
09:00 – 10:00	Sound Demonstrations**		Arup, Aecom, Head Acoustics
10:00 – 10:05	Welcome	Professor Abigail Bristow	UK Acoustics Network Noise and Soundscape SIG
10:05 – 10:15	Soundscape Standards	Philip Dunbavin	British Standards Institution
10:15 – 10:25	Soundscape in UK Policy	Stephen Turner	Institute of Acoustics
10:25 – 10:45	Soundscape current state of the art and practical relevance	Professor Jian Kang	University College London
10:45 – 10:50	The consultant's view: challenges that soundscape needs to help with	Jack Harvie-Clark	Association of Noise Consultants

Part Two – Methods, Case Studies and Tools

Session chairs: Jack Harvie-Clark, Association of Noise Consultants and Lisa Lavia, Noise Abatement Society

This session will explore a range of methods and practical examples of the application of soundscape principles in the built environment followed by a panel discussion. This will demonstrate how traditional acoustic problems have been overcome in practice.

10:50 – 11:00	Session overview and introduction	Lisa Lavia	Noise Abatement Society
	Soundscape Methods Overview		
11:00 – 11:20	Bridging the gap between soundscape and traditional approaches	Professor Dick Botteldooren	Ghent University
11:20 – 11:40	Psychoacoustics and Soundscape	Professor André Fiebig	Technische Universität Berlin
11:40 – 12:00	Break and light refreshments Posters*		
11:40 – 12:00	Sound demonstrations**		Arup, Aecom, Head Acoustics

	Case Studies		
12:00 – 12:10	Large Scale Development and Community Engagement	Ian Holmes	Highways England
12:10 – 12:20	Auralisation Techniques for Large Scale Infrastructure Projects	Dr Alex Southern	Aecom
12:20 – 12:30	Use of Auralisation in Public Engagement	Colin Cobbing	Arup
12:30 – 12:45	Almond Avenue Substation, London Borough of Ealing	Janine Dickenson	National Grid
12:45 – 12:55	Soundscape and Urban Amenity, Brighton & Hove City Council	Dr Francesco Aletta	University College London
12:55 – 13:05	Soundscape Social Surveys and City Planning	Rachel Pye	City of London Corporation
13:05 - 1400	Lunch Posters*		
13:05 - 1400	Sound demonstrations**		Arup, Aecom, Head Acoustics
	Tools		
14:00 – 14:05	Soundscape and Waterscapes	Dr Laurent Galbrun	Heriot-Watt University
14:05 – 14:10	Environmental Simulator: Soundscapes and Wellbeing	Dr Sarah Payne	Heriot-Watt University
14:10 – 14:15	Soundscape reproduction, simulation and composition	Professor Bill Davies	University of Salford
14:15 – 14:20	Freight Delivery Sound Model	Professor Jian Kang & Lisa Lavia	University College London and Noise Abatement Society
	Panel Discussion and Q&A		
14:20 – 14:50	• Professor Dick Botteldooren, Ghent University • Professor André Fiebig, TU Berlin • Professor Jian Kang, UCL • Stephen Turner, Institute of Acoustics • Ian Holmes, Highways England • Janine Dickenson, National Grid • Colin Cobbing, Arup • Dr Alex Southern, Aecom • Rachel Pye, City of London Corporation	Moderators – Jack Harvie-Clark and Lisa Lavia	Association of Noise Consultants and Noise Abatement Society
14:50 – 15:10	Break & light refreshments Posters*		
14:50 – 15:10	Sound demonstrations**		Arup, Aecom, Head Acoustics

Part Three – Collaborative Workshops

Session chairs: Jack Harvie-Clark, Association of Noise Consultants and Peter Rogers, Institute of Acoustics

The final part of the workshop offers you the opportunity to try out your new skills in a safe environment by working in small groups with expert facilitators to consider the application of soundscape tools in practice. This will help identify priorities for further skills that you may need to become more accomplished in this practice. Opportunities for collaboration, knowledge transfer and next steps will also be identified and shared with the main session.

15:10 – 15:40	Collaborative Workshops	Assigned Teams	See team list provided in the delegate packs
15:40 – 16:25	Feedback from Team Leaders and Q&A	Jack Harvie-Clark and Peter Rogers	Association of Noise Consultants and Institute of Acoustics
16:25 – 16:30	Closing Remarks	Professor Abigail Bristow	UK Acoustics Network Noise and Soundscape SIG

*** Posters** (available throughout the day in the catering area)

Soundscape & Waterscapes	Dr Laurent Galbrun	Heriot-Watt University
Environmental Simulator: Soundscapes and Wellbeing	Dr Sarah Payne	Heriot-Watt University
Soundscape reproduction, simulation and composition	Professor Bill Davies	University of Salford
Freight Delivery Sound Model	Professor Jian Kang and Lisa Lavia	University College London and Noise Abatement Society

**** Sound Demonstrations:** Sound demonstrations provided by Arup, Aecom, and Head Acoustics will be available from 09:00 – 16:00 in the Renew room adjacent to the reception area.

With thanks to:

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Young researchers for their help organising the conference:
Researcher: Tin Oberman, University College London*; PhD Students:* Maria Luiza de Ulhoa Carvalho, University of Salford; Mattia Cobianchi, Goldsmiths University of London; Mercede Erfanian, University College London; Magdalena Kachlicka, University College London; Matteo Lionello, University College London; Andrew Mitchell, University College London; Mithuna Maran, University College London; Huan Tong, University College London; Chunyang Xu, University College London; Tingting Yang, University College London; Aysegul Yildirim, Goldsmiths University of London