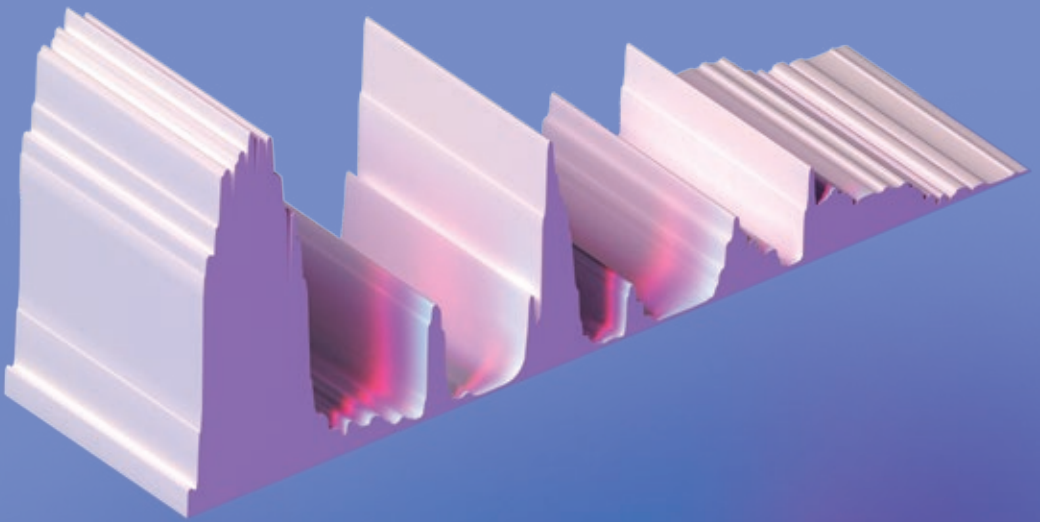


RESONATE

THINKING
SOUND & SPACE



FEBRUARY 12, 2018
MAAT MUSEUM, LISBON, PORTUGAL

A Conference on Architecture,
Art and Sound in Collaboration
with Meyer Sound

#RESONATELisbon

POWERED BY MAAT & reSITE

08.00	Registration Opens	
09.00	Shadow Soundings	WHERE: Oval Gallery ARTIST-LED TOUR: Bill Fontana (Composer, Artist, US) IN CONVERSATION WITH: Michael Kimmelman (The New York Times, US)
09.30	Welcome Discussion	WHERE: Project Room Pedro Gadanho (MAAT, PT), Martin Barry (reSITE, US)
10.00	Dear Architects: Sound Matters	KEYNOTE: Michael Kimmelman (The New York Times, US) IN CONVERSATION WITH: Martin Barry (reSITE, US)
11.00	Acoustics & Architecture: Past, Present & Future	PRESENTATIONS: Raj Patel (Arup, US), Michael Jones (Foster + Partners, UK), John Pellowe (Meyer Sound, UK) MODERATOR: Solène Wolff (PLANE-SITE, DE)
12.00	Elizabeth Diller: Recent Works	KEYNOTE: Elizabeth Diller (Diller Scofidio + Renfro, US) IN CONVERSATION WITH: Andrew Tuck (Monocle, UK)
13.00	Lunch Break	WHERE: Central, Sala dos Geradores
14.00	Sound Performance and Lecture by Miguel Álvarez-Fernández	WHERE: Project Room Miguel Álvarez-Fernández (Composer, Sound Artist, Musicologist and Curator, ES)
14.30	Sound Art, Sound Architecture	PANELISTS: Bernhard Leitner (Sound Artist, AT), Xavier Veilhan (Visual Artist, FR) MODERATOR: Miguel Álvarez-Fernández (Composer, Sound Artist, Musicologist and Curator, ES)
15.30	Harpa – Connecting Sound and City	KEYNOTE: Louis Becker (Henning Larsen, DK) IN DISCUSSION WITH: João Santa-Rita (Santa-Rita & Associados, PT) MODERATOR: Jessica Mairs (Dezeen, UK)
16.30	Coffee Break	WHERE: Project Room
17.00	Innovative Sound & Acoustics Research	CO-ORGANIZED WITH: Católica University Matthew Goodheart / <i>Toward a Poetics of Reembodied Sound</i> , Gilberto Bernardes / <i>Spaces sing, are you listening?</i> , André Baltazar / <i>Behind the curtain: the principles and technological aspects of a site-specific sound installation</i>
18.00	Oslo Opera House	KEYNOTE: Kjetil Trædal Thorsen (Snøhetta, NO) IN DISCUSSION WITH: Joana Carneiro (Orquestra Sinfónica Portuguesa, PT) MODERATOR: Birgit Lohmann (Designboom, IT)
19.00	Cocktail Hour	WHERE: MAAT Entrance Hall PERFORMANCE: City of Lisbon

FOREWORD

Pedro Gadanho, Director, MAAT

As a museum dedicated to the intersections of art, architecture and technology, MAAT is very proud to take the lead in surpassing the predominant focus on visual culture, and fully dive into how the experiential, spatial dimensions of sound and acoustics are explored today in interrelated creative fields. Sound is determinant in our tactile understanding of space, adding or subtracting to our appreciation of a given environment. Artists have soon understood this, and have constantly stretched the limits and meanings of sound experiences. Architects and acoustic engineers constantly reinvent how sound is perceived in architectural spaces. Bringing their ideas together over the course of a one-day conference gives our audience the unique opportunity to expand their understanding of the topic. While celebrating Bill Fontana's *Shadow Soundings* installation at MAAT – and our collaboration with one of the world's top innovators in acoustic technology, Meyer Sound – it was indeed a pleasure to partner with reSITE to offer you this outstanding exchange of ideas.

Martin Barry, Chairman, reSITE

Our aim is to inspire people and professionals to unlock and realize the potential of their place, their city. We play the long game at a time when no one else seems to want to. The urbanized and designed world is our playground. We are fostering innovation and a globally-relevant dialogue for rethinking architecture and public space that make cities more livable and lovable. We are proud to partner with the MAAT museum on RESONATE with a particularly intriguing focus that feels like a one-day space odyssey. Most tend to see and talk about architecture as a 3D discipline, focusing on its visual, spatial and functional aspects. But architecture is always experienced in 4D. Sound and acoustic aspects are crucial for people's experience of public spaces and places that have always been at the core of reSITE's interest. Thank you for joining us in the journey through a gauntlet of what I believe to be the best knowledge from around the world at the intersection of architecture, experiment, art and sound innovation. Remember to share with us how you enjoyed it, and stay in touch!

John and Helen Meyer, Meyer Sound
A Family of Sonic Solutions

Sound is at the very heart of our human experience. Creating extraordinary listening experiences across a wide variety of platforms is the essence of what we've done for nearly 40 years. One of the most exciting recent breakthroughs is our Constellation acoustic system. Often referred to as "invisible architecture," Constellation allows restaurants, universities, corporate spaces and concert halls to alter and custom tailor acoustics with the swipe of a finger on an iPad. Musicians are wild about Constellation. "This is the future," said classical pianist Leif Ove Andsnes while jazz great Wynton Marsalis stated that, "if you have a space that's even slightly problematic, do yourself a favor and install the Constellation." "Thinking Sound" has long been our tagline at Meyer Sound. We are thrilled to come together with all of you in this provocative discussion. Together, let's bring sound to the forefront of design and architecture for the 21st Century.

MEET THE SPEAKERS

Miguel Álvarez-Fernández

Composer, Sound Artist, Musicologist and Curator
Madrid (ES)

Martin Barry

Founder, Chairman
reSITE, New York (US)

Louis Becker

Partner, Design Principal, Professor
Henning Larsen, Copenhagen (DK)

Joana Carneiro

Conductor
Berkeley Symphony, Orquestra Sinfónica Portuguesa,
Lisbon (PT)

Elizabeth Diller

Founding Partner
Diller Scofidio + Renfro, New York (US)

Bill Fontana

Composer, Artist
San Francisco (US)

Pedro Gadanho

Director
MAAT, Lisbon (PT)

Michael Jones

Senior Partner
Foster + Partners, London (UK)

Bernhard Leitner

Architect, Sound Artist
Vienna (AT)

Birgit Lohmann

Founder, Editor-in-chief
Designboom, Milan (IT)

Michael Kimmelman

Author, Columnist, Pianist and Architecture Critic
The New York Times, New York (US)

Jessica Mairs

Architecture Editor
Dezeen, London (UK)

Raj Patel

Fellow
Arup, New York (US)

John Pellowe

Sound Engineer, Project Director for Constellation
Systems, Meyer Sound, London (UK)

João Santa-Rita

Partner
Santa-Rita & Associados, Lisbon (PT)

Kjetil Trædal Thorsen

Founding Partner, Architect
Snøhetta, Oslo (NO)

Andrew Tuck

Editor
Monocle, London (UK)

Xavier Veilhan

Visual Artist
Paris (FR)

Solène Wolff

Managing Partner
PLANE-SITE, Berlin (DE)

PANELS AND TALKS ANNOTATIONS

09.00

Shadow Soundings

Artist Bill Fontana will lead guests in a private tour of *Shadow Soundings*, a real-time show that connects the 25th of April Bridge and MAAT. The show employs live cameras, microphones, accelerometers and hydrophones to create an abstract media artwork in the 800 square meter Oval Gallery. This will provide a unique behind the scenes look on the final day of the show, and give guests a chance to interact directly with the artist.

09.30

Welcome Discussion

Pedro Gadanho (MAAT) and Martin Barry (reSITE) will discuss the inside story behind this engaging, diverse odyssey of how they think sound and space, and what has been an exciting first collaboration between MAAT and reSITE. The curator/director duo will offer their program tips and inside knowledge about the speakers and the program.

10.00

Dear Architects: Sound Matters

“The spaces we design and inhabit all have distinctive sounds,” reads the line from the notebook of the critic, Michael Kimmelman. Are you listening to the sounds around you at home, in the office or train station? More importantly, architects, are you designing with the user’s sound experience in mind? “Sound may be invisible or only unconsciously perceived, but that doesn’t make it any less an architectural material than wood, glass, concrete, stone or light,” says Michael Kimmelman, an accomplished pianist in addition to his role as the architecture critic for The New York Times. Kimmelman will lead us off with the first lecture at RESONATE, telling us that we don’t need to be specialists to distinguish different spaces based on the sounds they make, or the way we hear those sounds.

11.00

Acoustics & Architecture: Past, Present & Future

This panel will highlight the relationship between sound and architectural space throughout history,

leading to present day technology and how new technologies will impact future sound spaces. We will listen to and understand the impact that sound, noise and vibration have on design in the built environment, and talk about how sound can be a positive contributor in architectural design. Talks from leading experts from Arup, Foster + Partners and Meyer Sound followed by discussion with PLANE–SITE will span the intersections of room acoustics design theory, the effect of shape, form, geometry, and material selection on acoustics. All of this, and what might resonate in the future.

12.00

Elizabeth Diller: Recent Works

Elizabeth Diller will present the studio’s longstanding engagement with architecture in sound, ranging from civic to cultural works. Projects include the transformation of the Lincoln Center for the Performing Arts, the High Line, the renovation and expansion of the Museum of Modern Art, and the Shed.

14.00

Sound Performance by Miguel Álvarez-Fernández

“Diario sonoro de Belalcázar” [“Belalcázar Sound Journal”] is a ,phonographic essay; the result of the artist’s residency at La Fragua/The Forge Artist Residency (Belalcázar, in the province of Córdoba, Spain) in May 2013. The piece tries to capture some of the memories and reflections related to that experience. The artist would not refer to this as a ‘soundscape’ in the proper sense, as the recorded sounds are consistently manipulated and combined with synthetic materials. The artist will talk about the performance, the differences with more conventional soundscapes, and his process for making this and other pieces.

14.30

Sound Art, Sound Architecture

In a discussion moderated by sound artist Miguel Álvarez-Fernández, the relationship between sound, space, and body will be explored, particularly by artist Bernhard Leitner who has been a pioneer in sound installation art. Leitner will talk about conceiving of sounds as architectural, or constructive material – allowing a space to emerge. Xavier Veilhan will virtually walk us into his sound studio in the French Pavilion at La Biennale di Venezia (2017), a musical merzbau where he hosted over one hundred musicians

from various countries, creating a public space and experiential shrine especially built for sound.

15.30

Harpa – Connecting Sound and City

Henning Larsen has made a mark on cultural and performing arts centers in Europe and Asia. Harpa, designed in collaboration with the artist Olafur Eliasson, serves as an icon for Iceland. The four auditoriums offer a highly varied music and cultural program, which places great demands on the acoustics and flexibility – all features that were handled with great tactility and understanding of user and performance needs. The lecture of Louis Becker and discussion with Portuguese architect João Santa-Rita will focus on how to accommodate program and sound flexibility at Harpa, and similar projects with demanding acoustic needs. The conversation will be moderated by Dezeen’s architecture editor Jessica Mairs.

17.00

Innovative Sound & Acoustics Research

The Research Centre in Science and Technology of the Arts (CITAR) of the School of the Arts – UCP, the Museum of Art Architecture and Technology (MAAT) and the Portuguese Audio Engineering Association (APEA) have selected marquee papers on the topic of “Electroacoustics, Art and Architecture” for presentation and discussion. The research papers will span topics such as the use of electroacoustic devices in art, novel approaches to sound art, artwork based on acoustical principles, loudspeakers, novel transducers, and architectural acoustics. This will be the first presentation of this research before publication in a special issue of the Scopus-indexed CITAR Journal.

18.00

Oslo Opera House

The Oslo Opera House is a study in architectural juxtaposition and surprise. Described by Snøhetta as a ‘social democratic monument’, it was one of the more decidedly contemporary buildings of its genre when opened, yet when one enters the concert hall they will find a warm and surprisingly intimate theatre cloaked in Baltic Oak that resonates well with the diverse performances staged. The acoustic design of the concert hall attempts to strike a balance between reverberant orchestral sound while carrying a clear voice from opera singers; a balance that Snøhetta with Arup

worked hard to provide. The conversation will be moderated by Designboom Founder Birgit Lohmann.

RELATED PROGRAM

During lunch break

PLANE–SITE Scenography of Space, Video screening

WHERE: Cental, Sala dos Geradores
Short films series introduces and commented by PLANE–SITE.

19.00

Cocktail Hour

WHERE: MAAT Entrance Hall
Every experience is best shared with friends, new and old. Enjoy a drink and snack while, immersed in the stunning Bill Fontana sound installation under the front canopy of the Amanda Levete designed MAAT Museum with views of the 25th of April bridge across the Tagus River, and with an evening of Carnival celebrations ahead. This will be your opportunity to chat with conference speakers and moderators, meet the organizers, meet new business partners and hopefully find new ways to experience sound.

NEXT

June 14–15, Prague

reSITE 2018

The annual international forum showcasing better solutions for our urbanized world will be back at Prague’s Forum Karlin in June with a new Guest Curator, writer and urbanist Greg Lindsay. reSITE has been called the most interactive architecture and urbanism event and will present 50 international speakers from 30 countries surrounded by a 1000+ audience gathering architects, planners, bottom-up innovators and municipal and private sector leaders. The Founder of Rojkind Arquitectos Michel Rojkind and Richard Burdett, a Professor of Urban Studies at the London School of Economics are the first confirmed keynote speakers.

Register via reSITE.ORG

ORGANIZERS

MAAT

MAAT – Museum of Art, Architecture and Technology is the new cultural proposal for the city of Lisbon. A museum that crosses three areas in a space of debate, discovery, critical thinking and international dialogue. An innovative project that puts in communication a new building, designed by Amanda Leveté Architects architecture studio, and Central Tejo, one of the national examples of industrial architecture of the first half of the twentieth century, and one of the most visited museums in the country. MAAT translates the ambition to present national and international exhibitions with the contribution of contemporary artists, architects and thinkers. Reflecting on major themes and current trends, the the program will also present regular curatorial perspectives on EDP Foundation's Art Collection.

MAAT.PT

reSITE

reSITE is a non-profit platform supporting the understanding and synergies of architecture, urbanism, politics, culture and economics. It presents the ideas and projects of internationally renowned experts to professionals and to the wider public, through events, media and consultancy. For the past six years, reSITE has become a leading voice in Europe in the field of rethinking urban planning, architecture and urban development, attracting political leaders of inspirational cities to its flagship events in Prague. Being

a bottom-up start-up, reSITE connects leaders across disciplines and brings a multitude of side events, debates, film screenings, exhibitions and bike rides to the general public. reSITE was founded in 2011 by Martin Barry, landscape architect, originally from New York. The next conference reSITE 2018 will take place on June 14–15 in Prague.

reSITE.ORG

Meyer Sound

Meyer Sound continually strives to elevate the overall dialogue about sound and bring greater awareness to the importance of how we hear and listen. A collaborative, results-focused approach to sound solutions drives a company philosophy where creative thinking, old-fashioned craftsmanship, and entrepreneurial technology are strongly intertwined. Tours for top-grossing artists and respected concert and entertainment venues rely on Meyer Sound, as do houses of worship, cinemas, restaurants, universities, corporate offices, and museums. With field offices and authorized distributors worldwide, Meyer Sound designs and manufactures all products at its Berkeley, California headquarters, allowing for rigorous quality control and testing. Scientific acoustical research and product development have earned Meyer Sound more than 100 US and international patents and numerous awards since its founding in 1979 by John and Helen Meyer.

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