

2021 Global Architecture Exchanges: People, Planet, Profession

Topic 1 – Climate Change / Sustainability – How do architects respond to the Climate emergency?

What are the practical steps/measures architects need to consider when designing with climate action in mind?

Session 1 – Includes speakers from the UK; Ireland; Netherlands; USA; Brazil

Wednesday 9 June 16:00 BST

Participating Institutes and Speakers

American Institute of Architects

**Julie Hiromoto FAIA, WELL AP, LEED AP BD+C, and Living Future Accredited;
Principal | Director of Integration, HKS Architects**

Julie Hiromoto is a Principal at HKS and the firmwide Director of Integration. Her experience managing a diverse portfolio ranging from large and complex projects to boutique installations transforms the built environment by synergizing research, systems thinking, and inclusive best practices. She balances business, design excellence and technical expertise while instilling her passion for socially and environmentally responsible design.

A recognized national leader in the sustainable design community, Julie drives positive change through various organizations. Her work launching the Center for Architecture Science and Ecology (CASE), chairing the AIA Large Firm Roundtable Sustainability Group, contributing as a WELL Community Working Group member, volunteering as a Living Building Leader, and as the 2020 AIA COTE® Advisory Group Chair collectively leverages the impact of designers, builders, owners and operators for high-performance design and equity. Julie is a Fellow of the American Institute of Architects.



Julie Hiromoto

Theme: Evolve or Perish- an architects' response to the climate emergency

Council of Architecture and Urbanism in Brazil

Prof. Marcos Cereto, architect, researcher and professor at the Technology School of Universidade Federal do Amazonas - UFAM in Manaus

Marcos Cereto is an architect, researcher and professor at the Technology School of Universidade Federal do Amazonas - UFAM in Manaus and got his Doctor degree at PROPAP/Universidade Federal do Rio Grande do Sul) with the work "Severiano Mario Porto: [re]thinking a [modern] Architecture in the Amazon".

Marcos's works focus on Brazilian Modern Architecture in the Amazon and its national and transnational connections with different cultures in contributing to the construction of a resilient Amazon in the 21st century. He is a current member of the Superior Council at *Instituto dos Arquitetos do Brasil - IAB*, founder and leader of *Núcleo Arquitetura Moderna na Amazônia – NAMA* (2016).

NAMA is a collective group gathering artists, architects and research groups from different universities from the Brazilian Amazon. NAMA aims at the preservation and divulgation of Amazonian architectural modernities. Cereto is a curator of exhibitions *Contemporary Architecture in the Amazon – XAMA* (2018-2019), *L'Amazonie en Construction: l'architectures des fleuves volants* in Paris (2019) and *Resilient Amazon Architecture* at Seoul Biennale of Architecture and Urbanism 2021.



Marcos Cereto

Theme: Between the Sun and the Rain, We Shall Resist.

The Royal Institute of the Architects of Ireland

Sarah O'Dwyer (BSc, BArch, MArchSc, MRIAI), Architect, lecturer and Programme Leader of the distance learning "Environmental Design of Buildings" MSc in Cardiff University

Sarah is currently (2021) the Chair of the RIAI Sustainability Task Force and is a member of the ARB engagement panel. Sarah splits her work life between practice and academia; teaching and researching in sustainable design theory and practice. In her practice work at KHArchitects and the interdisciplinary practice PLACE+U she has worked on public housing, town masterplanning, cluster housing guidelines and age friendly neighbourhood schemes.

Sarah's practice work involves engaging in multi-strand public engagement processes to embed projects in their contexts. She is currently working with TUDublin on an Erasmus Plus funded project "Arch4Change" with four partner European universities; exploring ways to co-create an architectural climate emergency curriculum. Her current PhD research also explores methods for integrating sustainable design theory into architectural education.



Sarah O'Dwyer

Theme: RIAI Guide: Sustainable Design Pathways

Royal Institute of British Architects

Amy Holtz Mathys, LEED AP; Director, Head of Sustainability, PLP Architecture.

Amy is a LEED Accredited Professional and a passionate advocate for environmentally responsible design across both the building and urban scales. She heads PLP Architecture's Sustainability Design Group, which serves as a research/think tank and collaborative body. It works with teams to develop project-specific sustainability strategies and helps to implement these across all the stages of a project.

She is currently co-managing and leading the design team for 22 Bishopsgate, our dynamic new tower in the City of London that creates an interactive vertical community for working and discovering. The project has been designed to achieve a BREEAM Excellent rating and was the first project in the city to register for the WELL certification.

For PLP Architecture's new office building at 4 Cannon Street for Fidelity, which sits on a sensitive site facing St. Paul's Cathedral, Amy managed the design team throughout the project's design phases. Public realm improvements played a big part of this project, and it includes a brown roof and new garden to the west.

At 1 Page Street, Amy helped to drive the award-winning refurbishment that saw a tired 1980s building stripped back to its structural frame and entirely rethought into a modern headquarters for the British luxury retailer Burberry. She was also the project manager in charge of leading the planning application for the exterior envelope of The Francis Crick Institute, a dynamic new research facility in Kings Cross, London that brings together six leading organisations under one roof.

Amy helped to design PLP Architecture's Aerospace Master Plan in Qatar, where she developed sustainability strategies that targeted a LEED ND Gold certification. Amy led conversations with the Abu Dhabi Urban Planning Council on the incorporation of ESTIDAMA environmental rating system into aviation projects within the region. She also led the collaborative efforts with the Urban Land Institute (ULI) to facilitate a dialogue on Sustainability and Planning in London and New York. The ensuing research and discussions are being used in a larger body of research comparing many aspects of the two cities.

Amy received her Bachelor of Architecture from Auburn University and a Master of Sustainable Environmental Design from the Architectural Association (AA). She has an ongoing relationship with the AA, serving as a guest critic for its MArch & MSc programmes in Sustainable Architectural Design.

Theme: From Retrofit to Tower - A Closer Look at Three Key Projects on our Pathway to a More Sustainable Building Industry



Amy Holtz

Royal Institute of Dutch Architects

Menno Rubbens, Project Developer & Director of cepezeprojects

Menno Rubbens MSc (NL-Leidschendam, 1966) studied Economics at the Erasmus University in Rotterdam and gained his degree as an architect and structural engineer from the Delft University of Technology.

Since 1998, he has been architect and project developer and director of cepezeprojects, the development expertise of the Dutch architectural office cepezed in Delft. With cepezeprojects, he has been working intensively to radically apply the principles of circular design and construction in architecture.

cepezeprojects breaks through the hit-and-run project development of the past decades and strives for a more flexible and adaptive building stock; conceptualized according to the building-as-product-methodology, in which both sustainability and disassembly play an important role. The building-as-product introduces a concept of 'permanent temporality' within the built environment. Recent projects developed by cepezeprojects and designed by cepezed architects include the Temporary Courthouse in Amsterdam, catering pavilion The Green House in Utrecht and Building D(emountable) on the site that also holds the office of the various cepezed-expertises.



Menno Rubbens

Theme: Future proof architecture

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Session 2 – Includes speakers from the UK; Ireland; Netherlands; China; Japan; South Korea; Australia; New Zealand

Thursday 10 June 7:00 BST

Participating Institutes and Speakers

Australian Institute of Architects

Jeremy McLeod, founding Director, Breathe Architecture

Jeremy is the founding Director of Breathe Architecture, a team of dedicated Architects that have built a reputation for delivering high quality design and sustainable Architecture for all scale projects. Breathe focuses on sustainable urbanisation and in particular, how to deliver more affordable urban housing to Melbournians.

Breathe were the instigators of Nightingale Housing in collaboration with six of Melbourne's best architecture firms. Nightingale Housing provides apartments that are socially, financially and environmentally sustainable. Jeremy believes that architects, through collaboration, can drive real positive change in this city we call home.



Jeremy McLeod

Theme: 'Build Less, Give More'; Sustainability through reductionism

The Architectural Society of China

JIAO Jian, Deputy Chief Architect, Beijing Institute of Architecture Design (Group) Co., Ltd; Director, Universal design research center. Executive Vice Director, Beijing Engineering Research Center of Building Energy Efficiency and Urban Ecology

Ms. JIAO received her master's degree of Architect from the Architectural Department of Tianjin University. She is a professorate senior engineer, a national first-class registered architect.

JIAO Jian mainly focuses on the directions of sustainable city and buildings, including eco-city, green building, accessibility design etc. She has carried out and completed a number of design and research projects, published a number of articles and papers, won multiple designs and research awards at national and provincial level.



JIAO Jian

Theme: The main issues of green building under the carbon neutral target

Korean Institute of Architects

Kwan-Joo Park, Founder of TAD Corporation and Executive Director of TAARCHITECTS

Kwan-Joo Park graduated from Jung-ang University and received his AA Diploma of architecture from the AA School of Architecture.

He is the founder of TAD corporation and also the executive director of TAARCHITECTS. As an architect, he presented his work internationally in the field of Sustainable architecture.

His presentation will look at 'Disaster Response Shelter' in the Philippines and the 'Marriot Fairfield Busan' in the Republic of Korea.



Kan-Joo Park

Theme: Disaster Response Shelter

The Royal Institute of the Architects of Ireland

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Sarah O'Dwyer

Theme: RIAI Guide: Sustainable Design Pathways

Japan Institute of Architects

Ar. Yuji Iwahashi, Director of Nihon Sekkei

Ar. Yuji Iwahashi studied architecture in Tokyo and Urban Design at Manchester University. He has worked for Richard Rogers from 2006 to 2009.

His work gradually moved to so-called environmental architecture especially specializing on the combination of natural ventilation with solar-direct gain. His project, the Yahoo Data Centre received several awards for its mode-change scheme.

Yuji is Director of Nihon Sekkei, and has been a Member of JIA since 2000 and a RIBA member since 2012. He studied for a PhD in Sustainable Architecture at Tokyo Metropolitan University in 2020.



Yuji Iwahashi

Theme: Mode change optimisation

Royal Institute of British Architects

Amy Holtz Mathys, LEED AP; Director, Head of Sustainability, PLP Architecture

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Theme: From Retrofit to Tower - A Closer Look at Three Key Projects on our Pathway to a More Sustainable Building Industry



Amy Holtz

New Zealand Institute of Architects

Jeremy Smith, Design Director, Irving Smith Architects

Jeremy is Design Director of Irving Smith Architects, a research-based design practice working in sensitive environments throughout New Zealand and abroad. Recent accolades include a Special Judges Prize at the 2020 Teipei International Architecture Awards, a 2019 UNESCO Award of Distinction at the Asia-Pacific Cultural Heritage Awards in Penang, and World Villa of the Year at the 2017 World Architecture Festival in Berlin. ISA have received multiple NZIA New Zealand Architecture Awards in public and residential categories, and twice won New Zealand's national timber design award. Recent publications include Architecture Magazine, Architecture Record, Elle, Vogue and GQ Magazine.

Jeremy also is an Adjunct Associate Professor with a design based PHD at the University of Auckland, writes for Architecture New Zealand and has lectured widely about the practice's work and research. In 2019 alone, Jeremy presented projects through 8 American Universities, at the New York League of Architects, then in Paris and Amsterdam, before being an international judge and keynote speaker at the 2019 Indian Institute of Architects National Awards. Jeremy has judged the NZIA New Zealand Architecture Awards and at World Architecture Festivals in Singapore, Berlin and Amsterdam, and has recently been appointed an International Advisor to the Saveetha College of Architecture and Design in Chennai, India.

Key to his practice, teaching and research is understanding how buildings inhabit an environment that constantly undergoes change, be it in city or rural landscapes.

Project: Scion Innovation Hub – Te Whare Nui o Tuteata



Jeremy Smith

Royal Institute of Dutch Architects

Menno Rubbens, Project Developer & Director of cepezedprojects

Menno Rubbens MSc (NL-Leidschendam, 1966) studied Economics at the Erasmus University in Rotterdam and gained his degree as an architect and structural engineer from the Delft University of Technology.

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Theme: Future proof architecture



Menno Rubbens