

## Contributors

After working on the O2 Arena, London for Populous Architects, **Shayjay Bhooshan** joined **Zaha Hadid Architects** in 2007. He specializes in the conception and production of architecture from theoretical discourses to manufacturing technologies. An expert in computation, he also has specialized knowledge in programming, mathematics (especially geometry and optimization methods), and computer-controlled industrial machines including industrial robotics.

Bhooshan completed his Bachelor of Architecture at the Indraprastha Open University in India and his Master of Architecture at the Architectural Association in London in 2006. He then obtained his Master of Philosophy at the University of Bath in 2016 and is now working on his Ph.D at the Swiss Federal Institute of Technology (ETH) in Zurich. His work has been published in magazines such as *Architectural Design*, the *International Association for Shell and Spatial Structure*, and *Simulation for Architecture and Urban Design*.

He is co-founder of CODE, Zaha Hadid Architects' computational design research group.

**Massimiliano Fuksas** was born in Rome in 1944. He graduated in Architecture from the University of Rome, "La Sapienza" in 1969. Since the 1980s he has been one of the main protagonists of the contemporary architectural scene.

From 1994 to 1997 he was a member of the planning commissions in Berlin and Salzburg. In 1998 he was awarded, for his professional career, the "Vitruvio International a la Trayectoria" in Buenos Aires. From 1998 to 2000 he directed the *VII Mostra Internazionale di Architettura di Venezia* entitled "Less Aesthetics, More Ethics." He is the recipient of numerous important prizes and honors including being awarded an honorary fellowship in the American Institute of Architects, and being named Cavaliere di Gran Croce della Repubblica Italiana. His work receives frequent accolades including the Best Transportation Space Award for the Shenzhen Bao'an International Airport (published in this issue).

From 2000 to 2015 he was author of the architecture column, founded by Bruno Zevi, in the Italian news magazine *L'Espresso* and from 2014 to 2015 he was, along with his wife, the author of the "Design" column in the Italian newspaper *La Repubblica*. For years he has dedicated special attention to the study of urban problems in large metropolitan areas.

He has been Visiting Professor at a number of Universities such as Columbia University in New York, the École Spéciale d'Architecture in Paris, the Akademie der Bildenden Künste in Vienna, and the Staatliche Akademie der Bildenden Künste in Stuttgart.

American architect and MacArthur Fellow **Jeanne Gang** is the found-

ing principal of **Studio Gang**, an architecture and urbanism collective located in Chicago and New York. Gang is recognized internationally for a design process that forefronts the relationships between individuals, communities, and environments. Drawing insight from ecological systems, her analytical and creative approach has produced some of today's most compelling design work, including the Nature Boardwalk at Lincoln Park Zoo and Aqua Tower. Gang is currently designing major projects throughout North America, including cultural projects such as the expansion of the American Museum of Natural History; mixed-use towers in San Francisco, New York, and Chicago; and university work including the Campus North Residence Hall at the University of Chicago. Studio Gang was also recently selected to design the new United States Embassy in Brasilia, Brazil. A recipient of the 2013 National Design Award from the Cooper Hewitt Design Museum, Gang was named the 2016 Architect of the Year by *Architectural Review*. Her work has been honored and exhibited widely, including at the Venice Architecture Biennale, the Chicago Architecture Biennial, the Museum of Modern Art, and the Art Institute of Chicago. She is the author of *Reveal and Reverse Effect: Renewing Chicago's Waterways*, which envisions a radically greener future for the Chicago River. An alumna of the University of Illinois at Urbana-Champaign and the Harvard Graduate School of Design, Gang has taught at Harvard, Yale, Princeton, Rice, Columbia, and

IIT, where her studios have focused on materials, cities, and ecologies.

**Corbin Keech** is an architect in Studio Gang's Chicago office, currently engaged in urban, cultural, and institutional projects. Driven by the inherent optimism of building, Keech is interested in how the hybridization of ethnographic studies, formalism, and ecological research can deliver new types of architecture. With Studio Gang, he has worked on the National Aquarium Strategic Master Plan and City Hyde Park, among other projects. He holds a Master of Science in Advanced Architectural Design from Columbia University and a Bachelor of Architecture from Kansas State University.

**Stephen Kieran** and **James Timberlake** are partners at **KieranTimberlake**, an architecture firm internationally recognized for its beautifully crafted, high-performance buildings that are holistically integrated to site, program, and people. Established in Philadelphia in 1984, the firm has produced a diverse body of work for clients drawn to its environmentally ethical approach and innovative design. KieranTimberlake has received numerous design citations including the 2008 Architecture Firm Award from the American Institute of Architects, and the 2010 Cooper-Hewitt National Design Award for Architecture from the Smithsonian Institution.

**Alex Knezo** holds a BSE in Civil Engineering with Architectural Focus

from Princeton University. In 2009, he relocated to Tokyo where he found the juxtaposition of design aesthetics, spatial limitations, and strong cultural traditions to celebrate utilitarian and minimalistic elements as well as focus on the future of design. He has recently returned to the United States to pursue design ventures in New York City.

Knezo's design career began at Pritzker Prize-winning Shigeru Ban Architects in Tokyo followed by Steven Holl Architects in New York City. Upon relocation to Tokyo, he joined Noiz Architects where he worked on various parametrically designed architectural and installation projects, as well as taught at the University of Tokyo's Department of Architecture during their Digital Tea House workshop with Columbia University's GSAPP. In 2012, Knezo partnered with Akinori Hamada to create studio\_01, and in 2014 established Knezo Design Studio both of which have focused on interior, product, and graphic design.

**Heath May** is Director of **HKS Laboratory for INTensive Exploration (LINE)**. An architect with 11 years of professional experience including commercial, hospitality, sports, and healthcare, he is currently focused on research and development and the application of this research to the built environment. An avid interest in passive solar design encourages a current LINE research initiative into the potential for using software for dynamic

solar design through analysis and implementation of data-driven parameters for optimization of complex facades for daylighting and solar performance. In addition to research, Heath leads a design team responsible for projects including future:GSA, a net-zero renovation solution that earned the 2012 WAN Commercial Building of the Year Award, and he worked as senior designer on Sustainable Urban Living, a winner of the 2010 Chicago Athenaeum Green Good Design Award. In April of 2013, he was named recipient of *Building Design + Construction's* 40 under 40. May currently serves on the Advisory Board at the PACCAR Technology Institute at the University of North Texas and holds a position on the Executive Committee of the HKS Global Design Council.

**Wolf D. Prix**, was born in 1942 in Vienna. He is co-founder, Design Principal, and CEO of **Coop Himmelb(l)au**. He studied architecture at the Vienna University of Technology, the Architectural Association of London, as well as at the Southern California Institute of Architecture (SCI-Arc) in Los Angeles.

Prix is a member of the Österreichische Bundeskammer der Architekten und Ingenieurkonsulenten; the Bund Deutscher Architekten, Germany; the Royal Institute of British Architects; the Architectural Association Santa Clara, Cuba; and Fellow of the American Institute of Architecture.

Two Universities have conferred upon him the Doctorate Honoris Causa: The Universidad de Palermo, Buenos Aires, Argentina and the "Ion Mincu" University of Architecture and Urbanism, Bucharest, Romania. In 2015 he was awarded an Honorary Diploma of the Architectural Association of London. Over the years he and his firm have received numerous international architecture honors and awards.

**Lola Sheppard** received her Bachelor of Architecture from McGill University and a Master of Architecture from the Harvard Graduate School of Design. She is Associate Professor at the University of Waterloo. Together with Mason White, she founded **Lateral Office** in 2003, an architecture practice operating at the intersection of architecture, landscape, and urbanism. The studio describes its practice process as a commitment to design as a research vehicle to pose and respond to complex, urgent questions in the built environment, engaging in the wider context and climate of a project—social, ecological, or political. Lateral Office pursues research and design work on the role of architecture in remote regions, particularly the North. Recognizing that the challenges for remote inhabitation extend beyond merely more infrastructure or new technologies, Lateral Office's work tests the potential for architecture and infrastructure to be geographically scalable, environmentally adaptable, and multi-purpose in its programmability.

**Berndnaut Smilde** was born in 1978 in Groningen, The Netherlands. He currently lives and works in Amsterdam. Smilde's work consists of installations, sculptures, and photos. Using his daily surroundings and spaces as inspiration, Smilde is interested in the temporal nature of construction and deconstruction. His work refers to both the physical state of a building as well as a moment of revelation that depicts either hope or fragility. Smilde analyses spaces and their appearance and takes them apart to investigate their unique details and features. His artistic point of view often centers on duality. His works question: inside and outside, temporality, size, the function of materials and architectural elements.

Smilde holds an Master of Arts from the Frank Mohr Institute, Groningen. Awards include a start stipend from The Netherlands Foundation for Visual Arts, Design, and Architecture. He was a resident artist at the Irish Museum of Modern Art in Dublin in 2008 and the Boulder Museum of Contemporary Art in Colorado, in 2015. Smilde's work resides in both the Saatchi and the Smithsonian collections, among others. Smilde has been written about extensively in art publications; additionally his "Nimbus" series was recognised by *Time* magazine as one of the "Top Ten Inventions of 2012."

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