TEXAS A&M DEPARTMENT OF ARCHITECTURE

} *DEEP VISTA* {

27th and 28th of April, 2018

Curated by Gabriel Esquivel & Bruno Juricic

TEXAS A&M UNIVERSITY
Architecture

PREMISE

Deep Vista instead of a pure panoramic view that architecture conferences have been offering recently.

Design/Architecture, in the wake of insurgency of globally distributed digital platforms, has to obey to the dictum "nothing is given, everything is designed", from our individual online identities, to the interactive environment of personal devices, internet of things, infrastructures, data, in a way that is not simply determined by the continual transformation of inherited forms and traditions, but which draws on a manifest expansion in material science, transformations in constructability and manufacturing, cloud computing ...etc.

In such a digitally pervasive environment, every designed object or component - either physical or non-physical, should be treated as manipulable hypothesis based on a "system of practices" that regulates a "set of conditions" that improves the probability that a desirable (rather than an undesirable) outcome will occur and the capacity to change the conditions when what is expected is not occurring, rather than treat as a solid theoretical, cultural or technical objects.

Following this line of inquiry, designed object is without foundations, and as such, it manifests itself as a fusion of physics and algorithms, while simultaneously blurring the boundaries of the conceptual, semantic, syntactical and technical regimes used to conceive their production, reception and dissemination - or in other words formalization and normativity. The role of those boundaries is not any more to enclose different regimes, but rather to form tissue for osmotic exchange.

In such a condition, what is at stake? The task is to identify and asses different positions and choices about what architecture and design really are, what their objects of interest are, and what their manners of cognition are.

As architectural and design multiple complexities are difficult to condense into a single formal criterion, it becomes apparent that a more inter-relational set of criteria is needed to develop architecture through collaborative methods.

 In times like today when we have faced numerous important changes in Architecture and Design. The need to look into the future is once again of paramount importance. At the same time we faced tremendous and complicated challenges in a context where technology has surpassed our expectations. We need to look into our surrounding ecologies and discuss how we can discuss our current circumstances.

However, we have the difficulty of contending with tremendous handicaps and diverse opinions in terms of the practice and the profession. In a world of impoverished global economies; how can architectural theory and technology respond to all these challenges.

QUESTIONS

1. The question of Environment or Immunological Envelopes:

   - Techno-aesthetic evolution
   - Environment for the emergency of new species.

2. The question of Geo-Specificity:

   If you want to be relevant, you need to be open to a multiplicity of values, interpretations, and readings. The old-fashioned Western 'thesis' that is' is no longer sustainable. We need to be intellectual and rigorous, but at the same time relativist.

3. The question of Interaction between built environment and digital media

   - Both systems are themselves organizations of interfaces programmed in particular ways.
   - Borders - thresholds some left to the designer-architect to be decided and other left to the opaque process of automatization. But if architecture is also a form of managing the existential risk (physically and non-physically) then to understand the structuring and distribution is essential.
   - Seemingly, the digital platform is based on "universality, simplicity, modularity, agility and non-discrimination." and the built environment is more transparent in its logic of exclusion and exclusion.

4. The question of Program (social norms, behavioral patterns…etc.)

   - Program is the image (prescriptive, diagnostic, analytic) of how a field of interfaces comes together into a specific active system.
   - In architecture, program is the framing script for how inhabitants will engage with a spatial system over time. Program is not just about function.
   - It is a question worth addressing in the wake of contemporary situation
   - This is a framework that engages the relationship "Form-Function" but brings it to visibility – or discursive level through the envelope of Program – as a place where the action is – under the pressure of the digital platform interface (AR, Media, etc.).

5. The question of the Design Research (within Academia or the Educational Envelope) in general where technical, theoretical, and pedagogical practice are combined:

- There is a movement of back - and- forth between these three concepts that has be assessed as such, but not merely, along the horizontal axes, as an exercise of mapping the magnitude of the phenomenon on a planetary scale to extract sensibilities, diagrams - in the sense of being seismograph of the current situation, but on the contrary to stress the phenomenon along the

- Intellectual Commitment – matter or Attention

- Literal Space of the Studio– matter of physical space to train Attention

- This bring into foreground, what is the accountable location to train attention, But the question is how both have been displaced by the disruptive movement of the digital platform both physically and intellectually.

- Attention_ this brings a new term into question and this is Time, a key criteria that defines the Attention. Here it would be useful to use Bernard Stiegler's concept of a "long and short circuit" (this is linked to a notion of Time or Duration) and he speaks about it in the context of education in the larger sense.

- Short Circuit (shallow social network)

- Long Circuit – (spatial and historical location) has an origin and future of architecture. Train and comprehend their own attentiveness. Train them to have a memory. (Architecture has a 3,000 years old memory of this). Combine forces.

- Contact Movement (Location that is accountable).

PROGRAM

Day 1

April 27, 2018
Memorial Student Center
Bethancourt Ballroom 2300 D-E

9:00 am - 9:30 am	**Introduction**
	Robert Warden, Interim Department Head
	Gabriel Esquivel, Associate Professor
9:30 am - 10:30 am	**Environments**
	Graham Harman, Sean Anderson, Tim Morton
	Moderated by Levi Bryant
10:45 am - 11:45 am	**Geo-Specificity**
	Rob Stuart-Smith, Kivi Sotamaa, Bruno Juricic
	Moderated by Graham Harman
11:45 am - 1:00 pm	**Lunch Break:** Bethancourt Lobby
1:00 pm - 2:00 pm	**Interaction Between Built Environment & Digital Media**
	Michel Rojkind, Ferda Kolatan, Ian Bogost, Kristy Balliet
	Moderated by Bruno Juricic
2:15 pm - 3:15 pm	**Borders & Thresholds**
	Levi Bryant, Tim Morton, Bruno Juricic, Jimenez Lai
	Moderated by Michael Young
6:00 pm - 9:00 pm	**Dinner:** Cafe Eccell
	4401 Texas Ave, College Station, TX 77840

Day 2

April 28, 2018
Preston M. Geren Auditorium
Langford Architecture Center Building B

9:00 am - 9:30 am	**Introduction**
	Gabriel Esquivel, Associate Professor
9:30 am - 10:30 am	**Program**
	Jimenez Lai, Kivi Sotamaa, Ian Bogost, Kristy Balliet,
	Michael Osman
	Moderated by Sarah Deyong
10:45 am - 11:45 am	**Design Research**
	Nate Hume, Kristy Balliet, Levi Bryant, Dwayne Oyler
	Moderated by Michael Young
11:45 am - 1:00 pm	**Lunch Break:** Geren Auditorium Lobby
1:00 pm - 2:00 pm	**The Literal Space of the Studio**
	Michel Rojkind, Ferda Kolatan, Michael Young,
	Jimenez Lai, Sarah Deyong
	Moderated by Kristy Balliet
2:15 pm - 3:15 pm	**Closing**
	All Guests
	Moderated by Gabriel Esquivel
6:00 pm - 9:00 pm	**Dinner:** Veritas Wine & Bistro
	830 University Dr E #400, College Station, TX 77840

GUESTS

01 Sean Anderson

Museum of Modern Art

Sean Anderson is Associate Curator in the Department of Architecture and Design at The Museum of Modern Art. A Fellow of the American Academy in Rome and the Scuola Normale Superiore di Pisa, he has degrees in architectural design and architectural history from Cornell University, an M. Arch from Princeton University and a Ph.D in art history from the University of California, Los Angeles. He has practiced as an architect and taught in Afghanistan, Australia, India, Italy, Morocco, Sri Lanka and the U.A.E. His book, *Modern Architecture and its Representation in Colonial Eritrea*, was published in 2015 and was nominated for the AIFC Bridge Book Award for Non-Fiction. At MoMA, he has organized the exhibitions *Insecurities: Tracing Displacement and Shelter* (2016-17), *Thinking Machines: Art and Design in the Computer Age* (2017-18) and manages the Young Architects Program (YAP).

02 Kristy Balliet

Bair Balliet

Kristy Balliet is an architectural designer and assistant professor at The Ohio State University's Knowlton School of Architecture. She is currently a design faculty member at SCI-Arc. She is the co-founder of BairBalliet and the co-chair of the Possible Mediums Project (a series of events showcasing design investigations based in speculative architectural mediums). From 2011-2006, Balliet was an assistant professor at The University of Applied Arts, Vienna in Studio Greg Lynn. While there she was the co-creator of the IoA Sliver lecture/gallery series and published the collected work of the studio in Visual Catalog: Greg Lynn's Studio. She is a graduate of Philadelphia University and the UCLA Department of Architecture and Urban Design and has practiced architecture in Philadelphia at Erdy McHenry Architecture . Kristy is currently editing the forthcoming publication Massive Attack, IoA Sliver Lecture Series-Selected Friends and Enemies.

03 Ian Bogost

Persuasive Games LLC

Ian Bogost is an American academic and video game designer. He holds a joint professorship in the School of Literature, Media, and Communication and in Interactive Computing in the College of Computing at the Georgia Institute of Technology, where he is the Ivan Allen College of Liberal Arts Distinguished Chair in Media Studies.

He is the author of Unit Operations: An Approach to Videogame Criticism and Persuasive Games: The Expressive Power of Videogames as well as the co-author of Racing the Beam: The Atari Video Computer System and Newsgames: Journalism at Play. Bogost also released Cow Clicker, a satire and critique of the influx of social network games. His game, A Slow Year, won two awards, Vanguard and Virtuoso, at IndieCade 2010.

Bogost received his bachelor's in Philosophy and Comparative Literature from the University of Southern California in 1998. He then went on to get his masters in Comparative Literature from the University of California, Los Angeles (UCLA) in 2001, and received his doctorate in Comparative Literature from UCLA in 2004.

In 2008, Bogost became an Associate Professor in the School of Literature, Communication, and Culture at the Georgia Institute of Technology. In 2010, he was appointed Director of the Graduate Program in Digital Media, a position he held until 2012. In 2011, Bogost became a Professor of Digital Media and an Adjunct Professor of Interactive Computing. In 2012, he was named the Ivan Allen College Distinguished Chair in Media Studies and a Professor of Interactive Computing, both positions he still holds. With Christopher Schaberg, he is co-editor of the series Object Lessons from Bloomsbury Publishing.

His Alien Phenomenology or What It's Like to be a Thing (U of Minnesota P, 2012) critiques aspects of Bruno Latour's Actor-network theory. Bogost was also a Founding Partner of Persuasive Games LLC Atlanta, GA, and Persuasive Games Latin America SA. He is currently the Chief Designer for Persuasive Games LLC Atlanta, GA.

04 Levi Bryant

Collin College

Levi Bryant, born Paul Reginald Bryant, is a Professor of Philosophy at Collin College in the Dallas-Fort Worth metropolitan area. He was a member of the object-oriented philosophy movement and coined the term object-oriented ontology in 2009 to distinguish positions that are committed to the thesis that beings are composed of things from Graham Harman's object-oriented philosophy. His own version of object-oriented thought, called "Onticology", disprivileges human experience from a central position in metaphysical inquiry, while holding that objects are always split between two domains, virtuality and actuality.[3] For Bryant, virtuality refers to the powers and potential of any given object, whereas actuality designates the qualities manifested by the actualization of an object's potential at any given point in time.[4] Later Bryant, concerned with the doctrine of withdrawal and the non-relationism of object-oriented philosophy, departed from the object-oriented ontology movement and developed a machine-oriented ontology that argues being is composed entirely of machines or processes.

He received his Ph.D. from Loyola University in Chicago, Illinois, where he originally intended to study 'disclosedness' with the Heidegger scholar Thomas Sheehan. Bryant later changed his dissertation topic to the transcendental empiricism of Gilles Deleuze, with his analysis becoming the basis of his first book, Difference and Givenness: Deleuze's Transcendental Empiricism and the Ontology of Immanence, published in 2008. In addition to working as a professor, Bryant has also served as a Lacanian psychoanalyst.

Like other object-oriented ontologists, Bryant opposes the anthropocentrism of the Copernican Revolution proposed by Immanuel Kant, wherein objects are said to conform to the mind of the subject and, in turn, become products of human cognition. From Bryant's perspective, the Kantian contention that reality is inaccessible to human knowledge because it is structured by human cognition limits philosophy to a self-reflexive analysis of the mechanisms and institutions through which cognition structures reality.

Bryant has also written extensively about post-structural and cultural theory, including the work of Gilles Deleuze, Jacques Lacan, Jacques Rancière, and Slavoj Žižek. His blog, Larval Subjects, was founded in 2006 and had over 2 million hits as of September 2011.

05 Sarah Deyong

Texas A&M University

Sarah Deyong is an Associate Professor at Texas A&M University, where she teaches history, theory and design. She received her PhD from Princeton University and her BArch from the University of Toronto, and serves on the editorial boards of two national flagship journals, *The Journal of Architectural Education* (*JAE*) and *The Journal of the Society of Architectural Historians* (*JSAH*). Her research focuses on design-studio teaching pedagogy, informed by history & theory, and current interests include interdisciplinary collaboration and transformational learning experiences in higher education. With grants from the Graham Foundation and the Glasscock Center of the Humanities, she has published her research in prominent journals, such as the *JAE*, the *JSAH*, *Praxis*, the *Journal of Architecture*, and the *Journal of Visual Culture*. She is a co-author of the MoMA catalogue, *The Changing of the Avant-Garde*, and the author of numerous conference proceeding articles and book chapters, including *The Wiley-Blackwell Companion to the History of Architecture* (v. 4). Her essay on "Re-thinking the Legacy of the Sixties" garnered the ACSA's Best Scholarship of Design Award in 2015, and her current book project draws new lessons from Colin Rowe and Bernard Hoesli on the design studio process for contemporary practice.

06 Graham Harman

Southern California Institute of Architecture

Graham Harman (b. 1968) is Distinguished Professor of Philosophy at the Southern California Institute of Architecture (on leave from the American University in Cairo), and also a faculty member at the European Graduate School (EGS). Harman's specific position centers on what he terms Object-Oriented Ontology. He is the author or co-author of sixteen books, most recently *Object-Oriented Ontology: A New Theory of Everything* (2018), and *Speculative Realism: An Introduction* (forthcoming, September 2018).

Born in Iowa City, Graham Harman attended St. John's College in Annapolis, Maryland, where he received his BA in 1990. His doctoral dissertation, entitled *Tool-Being: Elements in a Theory of Objects*, was later published under the name *Tool-Being: Heidegger and the Metaphysics of Objects* (2002) and constitutes the kernel of his doctrine. In 2000, Harman

became a member of the Department of Philosophy at the American University in Cairo. The term object-oriented philosophy was coined by Harman in his doctoral dissertation, but Levi R. Bryant rephrased the term as Object-Oriented Ontology (OOO) in 2009, thereby giving the movement its current name. OOO can also be characterized as belonging to a larger set of philosophies grouped under the name "Speculative Realism," a contemporary movement in philosophy that opposes itself to the most prevalent forms of post-Kantian philosophy, which it characterizes as "correlationist," using a term coined by Quentin Meillassoux.

In contradistinction to other forms of Speculative Realism, OOO not only rejects anthropocentrism and correlationism, but also refuses any attempt to undermine or overmine objects, referring to attempts to reduce a thing either to its smaller components or its external effects. Preserving Immanuel Kant's concepts of finitude and the thing-in-itself, OOO differs markedly from Kant in claiming that inanimate objects are things-in-themselves for each other as well. Along with Harman's version of OOO, there are at least three further variants: the alien phenomenology pursued by Ian Bogost, the machine-oriented ontology developed by Levi Bryant, and the theory of hyperobjects found in Timothy Morton.

07 Nate Hume

Hume Coover Studio

Nate received a bachelor of architecture from The Ohio State University and a Master of Architecture from Yale University. His design work and writings have been published in journals and periodicals including Project, Posit, Tarp, Paprika, and The New York Times. Nate has exhibited work in shows at The Druker Gallery, the A+D Museum, the Yale Architecture Gallery, One Night Stand, and the New York Center for Architecture. He is the creator and editor of Suckerpunch, a website exploring the work of contemporary architects and artists, through which he mounted the exhibition and accompanying book Fresh Punches. He is currently a lecturer at The University of Pennsylvania and a critic at Yale University, and has previously been a Visiting Assistant Professor at Pratt Institute. Nate is a founding partner at Hume Coover Studio in Brooklyn New York where they create unexpected moments through dynamic relationships between forms and people. The work places an emphasis on experimenting with the interplay between geometry,

strange materiality, and perception to create saturated spaces capable of enveloping users and eliciting new encounters.

08 Bruno Juricic

Atelier Bruno Juricic

Bruno Juricic is architect, curator and scholar in the field of architecture, art and technology. He received the Bachelor's degree from Istituto Universitario di Archittetura di Venezia, and studied as guest student at the TU Berlin in 1999. In 2007 He finished with excellence his Master of Science 's degree in Urban Strategies at the University of Applied Arts in Vienna under the auspices of Wolf Prix, Greg Lynn and Zaha Hadid. Bruno is currently a Ph.D candidate at the Department of Architecture at the University of California Los Angeles working under Sylvia Lavin. His research is entitled, The "Unbound Architecture": "Was Everything Architecture?" The aim of the dissertation is to create a genealogy, from post WWII to the contemporary era, of architecture that is engaged with questions about the relation between art and architecture, and how architecture used "installation art" as a medium to engage with questions of environment – through both physical and non-physical means. In 2010 Bruno Juricic was also a selected scholar for the Getty Research Institute Seminars in Architecture and Design in Los Angeles.

In 2010, Bruno Juricic founded a private institute of architecture in Croatia called MLAUS (Mediterranean Laboratory for Architecture and Urban Strategies). The mission of MLAUS is to carry out research and developmental work in the field of architecture and urban planning, and to promote economic activity by linking public and private sectors in the way of public interest, which is implemented through the use of academic knowledge and skills. The strategic importance of the project was acknowledged by the Ministry of Culture and Foreign Affairs, which invited him to talk about the future of regional and urban development at the EU Committee for Regional Development in Brussels in 2011.

In 2011, as CEO of the institute MLAUS, Bruno Juricic started the international summer symposium series entitled "Proto/e/co/logics." It is envisioned as an open platform for rethinking increasingly complex landscape of architecture and asymptotic cultures. The symposium aims to tease out speculative directions for architecture in relation to the contemporary "denaturalised material ecology." Symposium participants included Sanford

Kwinter, Sylvia Lavin, Graham Harman, Reza Negarestani, Keller Easterling, Eva Franch i Gilabert, Michael Meredith, Hernan Diaz-Alonso, Francois Roche, and Patrik Schumacher to name a few. In 2014 Bruno founded Atelier Bruno Juricic . Atelier Bruno Juricic is a small, agile practice capable of working at a wide range of scales. The office has realised buildings in Croatia and currently, it is expanding its operations in China. The practice is founded on a commitment to the reality of the built work, and the transformative potential of architecture and urban strategies. By projecting reason and emotion in every creative endeavour, cultural values are highly esteemed by our continous engineered effort into both physical and non physical forms.

Juricic's projects have been presented at Piaggio Foundation (Pisa), Museum of Modern Art (Ljubljana), Biennale Miami , Far Eastern Memorial Foundation (Taipei),Institute Angewandte Informationstechnik Vienna, International Conference of Generative Art (Politecnico di Milano) and at Utopia Station at the 50th Venice Biennial.

09 Ferda Kolatan

SU 11

Ferda Kolatan is the Founding Director of su11 and an Associate Professor of Practice at the University of Pennsylvania. He received his Architectural Diploma (Dipl.Ing) from the RWTH Aachen and his Masters in Architecture (MSAAD) from Columbia University where he was the recipient of the LSL Memorial Prize and the Honor Award for Excellence in Design. Ferda has lectured widely and taught design, fabrication, and theory courses at institutions such as Columbia University, SCI-Arc, Pratt Institute, RWTH Aachen, Rensselaer Polytechnic Institute, Washington University, CCA, UCAM, University of British Columbia, and Cornell University. He is also a co-author of the book Meander: Variegating Architecture (Bentley Press, 2011) and was selected as a Young Society Leader by the American Turkish Society in 2011.

su11 is an award-winning practice with international acclaim. It received the ICFF Editor's Award for Best New Designer and the Swiss National Culture Award for Art and Design in 2001. In 2009, su11 was chosen as a contributor to Journey to Zero, an initiative towards a Zero Emission future and sponsored by Nissan and TED founder Richard Saul Wurman. It was also nominated as a finalist for the prestigious Chernikhov Price both in 2007 and 2010 and the MoMA/PS1 Young Architects Program in 2008. su11 has exhibited

work at such venues as MoMA, Walker Art Center, Vitra Design Museum, Beijing Biennale, Carnegie Museum of Art, Archilab Orleans, Art Basel, Documenta X, Artists Space NY, PS1, Istanbul Design Biennial and the Siggraph and Acadia conferences. Publications include Archilab's Futurehouse, Space, Monitor, L'Arca, Arch+, AD, Dwell, Le Monde, the New York Times, the Los Angeles Times, Suedeutsche Zeitung, and the Washington Post.

10 Jimenez Lai

Bureau Spectacular

Jimenez Lai works in the world of art, culture, and education. Previously, Jimenez Lai lived and worked in a desert shelter at Taliesin and resided in a shipping container at Atelier Van Lieshout on the piers of Rotterdam. Before founding Bureau Spectacular, Lai worked for various international offices, including MOS and OMA. Lai is widely exhibited and published around the world, including the MoMA-collected White Elephant. His first book, Citizens of No Place, was published by Princeton Architectural Press with a grant from the Graham Foundation. Draft II of this book has been archived at the New Museum as a part of the show Younger Than Jesus. Lai has won various awards, including the Architectural League Prize for Young Architects and Debut Award at the Lisbon Triennale. In 2014, Lai designed theTaiwan Pavilion at the 14th Venice Architectural Biennale. In 2015, Lai organized the Treatise exhibition and publication series at the Graham Foundation. In 2017, Lai and his studio exhibited a large scale installation at SFMOMA based on the drawing inside outside between beyond, 2014 which the Museum acquired in 2015.

11 Timothy Morton

Rice University

Timothy Bloxam Morton (born 19 June 1968) is Professor and Rita Shea Guffey Chair in English at Rice University.[2] A member of the object-oriented philosophy movement, Morton's work explores the intersection of object-oriented thought and ecological studies. Morton's use of the term 'hyperobjects' was inspired by Björk's 1996 single 'Hyperballad' although the term 'Hyper-objects' (denoting n-dimensional non-local entities) has also

been used in computer science since 1967. Morton uses the term to explain objects so massively distributed in time and space as to transcend localization, such as climate change and styrofoam. Morton has also written extensively about the literature of Percy Bysshe Shelley and Mary Shelley, Romanticism, diet studies, and ecotheory. Morton's theoretical writings espouse an eclectic approach to scholarship. His subjects include the poetry and literature of Percy Bysshe Shelley and Mary Shelley, the cultural significance and context of food, ecology and environmentalism, and object-oriented ontology OOO. Morton received a B.A. and D.Phil. in English from Magdalen College, Oxford. His doctoral dissertation, "Re-Imagining the Body: Shelley and the Languages of Diet," studied the representation of diet, temperance, and consumption in the works of Percy Bysshe Shelley. According to Morton, the decision to study English literature, as opposed to more academically fashionable classics, stemmed from a desire to engage with modes of thought evolving internationally "including all kinds of continental philosophy that just wasn't happening much in England at the time, what with the war against 'theory' and all." Before obtaining a professorship at Rice University, in 2012, Morton previously taught at the University of California, Davis, New York University and the University of Colorado, Boulder.

Since 2009, Morton has engaged in a sustained project of ecological critique, primarily enunciated in two works, Ecology Without Nature (2007) and The Ecological Thought (2010), through which he problematizes environmental theory from the standpoint of ecological entanglement. In Ecology Without Nature, Morton proposes that an ecological criticism must be divested of the bifurcation of nature and civilization, or the idea that nature exists as something that sustains civilization, but exists outside of society's walls. Morton became involved with object-oriented ontology after his ecological writings were favorably compared with the movement's ideas. One way that his work can be distinguished from other variants of object-oriented thought is by its focus on the causal dimension of object relations. Against traditional causal philosophies, Morton argues that causality is an aesthetic dimension of relations between objects, wherein sensory experience does not indicate direct access to reality, but rather an uncanny interruption of the false ontic equilibrium of an interobjective system. Causation, in this view, is held to be illusion-like or "magical," forming the core of what Morton terms "realist magic."

12 Dwayne Oyler

Oyler Wu Collaborative

Dwayne Oyler received his Bachelor of Architecture from Kansas State University and a Master of Architecture from Harvard University Graduate School of Design. Dwayne established the office of Oyler Wu Collaborative in 2004 along with his partner Jenny Wu. Since then, Oyler Wu Collaborative has been published globally and is recognized for its excellence in architectural design, research, and fabrication. Dwayne has taught architecture studios at Syracuse University, The Research Institute for Experimental Architecture, The Cooper Union, and Columbia University. Dwayne currently teaches architecture design studios at the Southern California Institute of Architecture (SCI_Arc) and at the Harvard University Graduate School of Design.

13 Michel Rojkind

Rojkind Arquitectos

Michel Rojkind was born in Mexico City, where he studied Architecture and Urban Planning at the Universidad Iberoamericana.

In 2002 he founded Rojkind Arquitectos (2005, "Design Vanguard"), an architecture firm focusing on design, business tactics and experiential innovation exploring innovative architectural solutions, social and urban strategies that positively impact our society and the environment.

Rojkind has been a visiting professor at SCI- Arc in L.A., IACC in Barcelona and UPenn in Philadelphia. He has participated as juror for several international awards and competitions and has lectured in many different countries.

His lectures have been recognized globally: "Innovation" from Architectural Record Magazine, 2011; TEDx, 2010 and 3rd Holcim Forum for Sustainable Construction sustainable in 2010, World Architecture Festival (WAF) in 2013, Design Indaba during 2014, PLAT 2016 & 2017 and PINC 2017.

Rojkind has gained international acclaim by being featured in numerous well-known architectural publications. In 2011 Wallpaper* Magazine named Michel as one of the 150 creatives who have influenced the world in the last 15 years. In 2010, Michel Rojkind was appointed as "Faces to Watch" by Los Angeles Times, and in 2010 was selected as

"Emerging Voices" by Architectural League of New York. In 2015 he was granted by Sistema Nacional de Creadores de Arte from FONCA Mexico. To be selected, reinforces his approach of how digital design can reinforce crafts.

Business Magazine ProMéxico named Michel Rojkind as one of the 50 personalities in "50 Mexican Names in the Global Creative Scene". Rojkind was mentioned as "... one of the most influential architects in the Mexican contemporary scene" by Forbes.

In 2017 he was on the list of "The 300 most influential leaders in Mexico".

14 Kivi Sotamaa

Ateljé Sotamaa

Kivi Sotamaa is a founding principal of Ateljé Sotamaa, and an Adjunct Associate Professor at UCLA. Kivi taught previously at the Ohio State University and the University of Angewandte Kunst, Institut fur Architektur in Vienna. In addition to heading Ateljé Sotamaa with his sister, Tuuli Sotamaa, Kivi is the Director of ADD LAB - Aalto Digital Design Laboratory at Aalto University and an Associate Professor at UCLA Department of Architecture and Urban Design. He holds a Masters degree from the University of Art and Design in Helsinki [TAIK] and has studied at the Helsinki University of Technology and the Royal College of Art in London. Until 2005 he was one of the founders and principals of Ocean North. Kivi Sotamaa's creative work is widely published and exhibited. His work has been exhibited by MoMA, the Wexner Centre for the Arts, Kiasma Museum of Contemporary Art, Fondazione Trussardi and the 21st Century Museum of Contemporary Art Kanazawa. Publications featuring his work include the New York Times, Phaidon's 10×10 Architects [1&2], New Scandinavian Design, Forum Sweden, AD, Praxis, Kenhiku Bunka, L'Arca and Domus.

Ateljé Sotamaa is Kivi Sotamaa and Tuuli Sotamaa, brother and sister, and a small international staff of architects, designers and artists based in Helsinki, Finland. They are driven by a passion for architecture, design and urban culture. People's experience is the most important organizing force for their design work. They love the 'wow' in architecture. Kivi and Tuuli are renown for their strategic, conceptual approach to design coupled with a mastery of form and materials. They are pioneers in the creative use of advanced digital technologies in design and manufacturing.

15 Robert Stuart-Smith

Robert Stuart-Smith Design

Robert is an Architect, Designer and Educator that specializes in generative design and behaviour-based robotics. He is an Assistant Professor of Architecture at University of Pennsylvania (PennDesign) and Director of Autonomous Manufacturing Labs at PennDesign and University College of London's Department of Computer Science (UCL-CS), where he conducts funded research on multi-robot construction and Aerial Additive Building Manufacturing. Robert is the co-founder of Kokkugia, a computational design research group founded in 2004, and has also consulted to Cecil Balmond on computational design-engineering research in Arup's Advanced Geometry Unit for a number of years. He has extensive building project experience with leading architectural practices in Melbourne and London, while Robert's own design practice - Robert Stuart-Smith Design (RSSD) is based in the UK and is currently developing bespoke building projects executed using custom robotic fabrication methods. Prior to moving to the US, Robert was a Studio Course Master at the Architectural Association School of Architecture in London for eight years, running a design studio in the post-professional M.Arch in the Design Research Lab (AA.DRL). He has also taught Design studios at Washington University, University of East London, University of Innsbruck and RMIT.

16 Michael Young

Young & Ayata

Michael is an Assistant Professor at The Irwin S. Chanin School of Architecture at the Cooper Union. Formerly, he was a Visiting Assistant Professor at Princeton University and Visiting Lecturer at SCI-Arc.In the Fall of 2016 he was the Louis I. Kahn Visiting Assistant Professor at Yale University. Michael received his Masters of Architecture from Princeton University and his Bachelor of Architecture from Cal Poly San Luis Obispo. Michael is a Registered Architect in the State of New York.

Young & Ayata are the recipients of the 2016 Design Vanguard Award from Architectural Record. In 2015 they were one of two first prize winners in the International Competition for the New Bauhaus Museum in Dessau, Germany. They were finalists in the 2015

MoMA YAP Program in Istanbul, Turkey. In 2014, the partners were the recipients of the Young Architects Prize from Architectural League of New York. A manifesto titled "The Estranged Object: Realism in Art and Architecture", written by Michael Young with the projects of Young & Ayata was published in the Spring of 2015 by the Graham Foundation. Recently, the firm's work was exhibited at the Museum of Modern Art, the Istanbul Modern, the Graham Foundation, SCI-Arc, and Princeton University.

17 Gabriel Esquivel

Texas A&M University

Gabriel Esquivel was born and educated as an architect in Mexico City with a degree from the National University and received a Master's Degree in Architecture from The Ohio State University. Gabriel teaches architecture at the College of Architecture at Texas A&M University. He previously taught Architecture and Design at the Knowlton School of Architecture and at the Design Department, Ohio State University. He is an invited professor at the Technológico de Monterrey in Mexico City.

His earlier professional experience comes from working in large corporate offices like NBBJ and completing projects in New York, Los Angeles, Santiago, Istanbul, Taipei, Beijing, Mexico City, and Buenos Aires. The projects include healthcare, commercial, retail, and residential developments.

After joining the architecture faculty at Texas A&M University, he has investigated the benefits and vehicles of a heterogenous model that integrated both design technology and architecture's proprietary devices. Specifically, Gabriel Esquivel examines digital geometry and the emergency of new material logics. Gabriel is the Director of the T4T Lab where he examines the integration of digital techniques and analogue conventions to exchange architectural information and its connection to contemporary theory.

Gabriel has an on-going collaboration with the Department of Aerospace Engineering at Texas A&M. This interdisciplinary focus is based on the idea of integrated SMA (shape memory alloys) to architectural surfaces, which means the possibility of moving specific parts of the surface with the purpose of controlling certain performances like light or ventilation.

He has worked on different projects by himself and with collaborators, concentrating on developing a diversity of High Design projects, concentrations on the importance of a

technological and theoretical apparatus. Gabriel has an office in Texas called "Theoremas", he has worked on some project like "La Riviera Restaurant." Gabriel has recently created a collaborative office with Ronald Eckels, from OOAAA in a house project about Juan O'Gorman, this house discusses the application of OOO and the contemporary conditions of architecture and the image.