

Laka Competition 2018:  
#ArchitectureThatReacts  
Competition Brief

## Laka Competition 2018: "Architecture that Reacts"

### Competition Brief

#### 1. About Laka

Laka is a non-profit organization and an international network focused on positive social impact through responsible design and architecture. The beliefs in the importance of interdisciplinary collaboration and in the potential of creative ideas are the core values of the programs and projects that Laka implements. <https://lakareacts.com>

#### 2. About Laka's Programs and Projects

Laka develops projects and programs that underline the crucial role of architecture and technology in the process of positive social change and development.

- Laka Competition is an international annual competition that seeks innovative ideas in architecture, design, and technology that are capable of reacting and dynamically adjusting to the conditions of the environment (either natural, social, or built).
- 'Laka Perspectives' is an award-winning annual publication (first published in January 2018) featuring interviews with the leaders in architecture, urban planning, computational design, digital fabrication, smart materials, mobility, biomimicry, and more.
- Laka Accelerator is an international program that aims to offer opportunities for investigation of the best designs by providing professional consulting and international press coverage.

#### 3. About Laka Competition 2018 "Architecture that Reacts"

Laka invites designers from around the world to submit their ideas of 'architecture that reacts.' The main focus of the competition is on the solutions that develop through a process of changes and adjustments. The subject of the competition is architectural, design, or technological solutions that are capable of dynamic interaction with their surroundings. <https://lakareacts.com/competition-2018/>

#### 4. International Jury

Alberto T. Estévez (Architect, Educator, Art Historian, Ph.D. of Sciences, Ph.D. of Arts, Founder of ESARQ/UIC). Architect (UPC, 1983), Architecture Ph.D. of Sciences (UPC, 1990), Art Historian (UB, 1994), Art History Ph.D. of Arts (UB, 2008), with the office of architecture and design in Barcelona. Founder of two research lines with two master's degrees and Ph.D. programs: 'Genetic Architectures/Biodigital Architecture' (UIC, 2000–present) and 'History, Architecture, and Design' (UIC, 1998–present). Author of more than one hundred publications and participant in a large number of exhibitions, congresses, and conferences around the world. Founder of the world's first Genetic Architectures Laboratory (UIC, Barcelona, 2000), where geneticists worked with architectural objectives in a real application of genetics to architecture. <http://albertoestevez.es/>

Ana Rewakowicz (Artist, Inventor, Designer). A graduate of Ontario College of Art and Design in Toronto with an MFA from Concordia University in Montréal, Canada. She investigates relationships among portable architecture, the body, and the environment. Her professional activities cross into the disciplines of art, design, architecture, and performance. A participant of numerous exhibitions around the world (including 'Air Conditions,' Stiftelsen 3,14, Norway; 'Conversation Bubble,' Stiftelsen 3,14, Bergen, Norway; 'ISEA 2014,' United Arab Emirates; 'Manif d'art 4,' La Biennale de Québec, Canada) and the creator of such works as 'Ice Fracture' in Delaney Park, Anchorage, Alaska, USA; 'Air Cleanser,' Rosenlew Factory, Pori, Finland; and 'Green Line Project,' Lauttasaari-Helsinki, Finland. <http://rewana.com>

Dagmar Reinhardt (Ph.D., Architect, Educator, Principal of reinhardtjung). The Program Director of the Bachelor of Architecture and Environments and Studio Leader of the Master of Digital Architecture Research at the Faculty of Architecture, Design, and Planning at the University of Sydney. In 2009, she completed her Ph.D. research, which investigated design techniques in fashion and focused on latent spatial organizations. She is the Co-Chair of the Rob|Arch2016 Robots in Architecture, Art, and Design (hosted by The University of Sydney). Her office, reinhardtjung, covers architecture and design in theory and practice, in buildings, installations and curatorial series, publications, academic research, and architectural projects. <http://www.reinhardtjung.de> | <http://www.robarch2016.org>

Hani Rashid (Architect, Designer, Educator, Co-founder of Asymptote, Head of Studio Hani Rashid). Co-founder and Design Partner at Asymptote Architecture, a leading international architecture practice. Hani held visiting professorships at universities such as the Royal Academy of Fine Arts in Copenhagen, Harvard University Graduate School of Design, the Berlage Institute in Amsterdam, and the Swiss Federal Institute of Technology (ETH) in Zurich. A laureate of numerous awards such as the Frederick Kiesler Prize for Architecture and the Arts (2004); the AIA NY Chapter Design Award, Interior Architecture (2007); and the Middle East Architect Awards, Hospitality Project of the Year, the Yas Hotel (2011). Currently, Hani leads the Deep\_Futures research department and is the International Dean of the Institute of Architecture at the University of Applied Arts in Vienna. <https://www.asymptote.net>

Paul Clemens Bart (Architect, Designer, Co-founder of BART//BRATKE). A German architect and designer with broad experience in multifaceted disciplines, collected at Zaha Hadid Architects, LAVA Sydney and Berlin, and the German Institute of Science and Technology, Singapore. Paul is a co-founder of the research design collaborative BART//BRATKE. He holds a diploma in architecture from the Technical University of Munich and a M.Arch. from the Architectural Association's Design Research Lab in London. Paul studied at Nanyang Technological University, Singapore, and École Spéciale d'Architecture Paris. His work is committed to emerging technologies, digital methodologies, and their application across scales. A laureate of the second prize in the Laka Competition 2017. <http://bartbratke.com/>

Peter Kuczia (IARP&BAK Architect, Ph.D., Educator, Creator of CO<sub>2</sub> Saver House). Educator and expert in ecological constructions with more than twenty years of experience. In 2008, he defended his Ph.D. dissertation on solar architecture in Germany. Author of 'Educating Buildings – Learning Sustainability through Displayed Design.' He has been awarded international prizes, such as the first prize of the Polish Green Building Council for ZERO-ENERGY Research and the Educational Complex Wroclaw University of Technology, a national nomination to the MIES VAN DER ROHE AWARD for European Architecture, and many others. His work, which covers a wide range of building types, has been exhibited and published around the world. <http://www.kuczia.com>

Marvin Bratke (Dipl.-Ing., Architect, Co-founder of BART//BRATKE, Visiting Professor Muthesius Academy of Arts). A German architect and designer with a diploma in architecture (with a special focus on mobility) received at Technical University of Munich. Marvin's research is focused on emergent technologies in architecture and industrial design. In 2014, he co-founded the research practice BART//BRATKE. Marvin holds a visiting professorship at Muthesius Academy of Arts and is engaged as a director at Graft Architects. Previously, he has worked as Design Architect at LAVA, Senior Designer at MLAUS, and Urban Researcher/Transportation Designer at GIST (German Institute for Science and Technology) and has contributed advanced geometry solutions for KERE

Architecture. A laureate of the second prize in the Laka Competition 2017.  
<http://bartbratke.com>

#### 5. Judging Criteria

The participants are free to decide the project's location, scale, size, and program.

Listed below are some highlighted issues that the jury will pay attention to:

- a properly indicated architectural, social, or environmental issue to solve
- an accurate analysis of the selected issue
- a properly chosen solution that "reacts" to the indicated issue

Listed below are some issues that explain the concept of "Architecture that Reacts":

- an ability to respond to social, economic, or environmental changes
- a level of social and environmental engagement of the design
- a relationship to a specific social, natural, and built context
- a level of flexibility and adaptability of the design
- an innovative use of technology and sustainable systems
- a level of self-sufficiency of the design

#### 6. Awards

Three main prizes and approximately ten honorable mentions will be selected.

1) Laureates of the main prizes will be

- awarded 1000 USD per team and
- invited to join the 'Laka Perspectives' book vol. 2.

2) Laureates of the main prizes and honorable mentions will be

- provided with feedback on their designs by selected experts from the Laka Accelerator,
- presented on Laka's websites and promoted among Laka's network of partners, and
- included in future Laka publications related to the competition.

More information about the awards:

- Laureates of the main prizes will be invited to join the 'Laka Perspectives' book vol. 2 among such leaders as Toyo Ito (Laureate of the Pritzker Prize 2013 and UIA Gold Medal in 2017, Founder of Toyo Ito & Associates), Carlo Ratti (Director of the Senseable City Lab at MIT, Founder of Carlo Ratti Associati), Peter Kuczia (Founder of Kuczia Architects), Elizabeth Monoian and Robert Ferry (Founding Partners of Land Art Generator Initiative), and Kamil Łabanowicz (Team Leader at AUDI AG).
- Laka will be announcing the next participants in the 'Laka Perspectives' book vol. 2 via social media channels. Learn more about the previous volume at <https://lakaperspectives.com>.
- Feedback on awarded designs will be provided by the selected experts from the Laka Accelerator during the first quarter of 2019.

#### 7. Join the Competition

We invite architects, students, engineers, biologists, sociologists, designers, thinkers, companies, organizations, and everyone interested in the mission of the competition to submit their ideas. No professional qualifications are necessary.

Schedule:

- Registration opens in April 2018
- Early Registration (April 1st–June 1st): 50 USD
- Regular Registration (June 2nd–October 1st): 75 USD
- Late Registration (October 2nd–November 1st): 100 USD
- Project submission deadline: November 2nd, 2018
- Jury deliberation: November, 2018
- Winners' announcement: December 1st, 2018

UTC time zone for all dates.

- Participants may submit multiple projects, but each entry must be registered separately.
- There is no limit as to the number of participants per team. ● Individual entries are allowed. ● Interdisciplinary teams are encouraged to join. ● After your registration has been approved, we will send you a unique number for your team. ● If you haven't received a confirmation within two business days, please contact us at [hello@lakareacts.com](mailto:hello@lakareacts.com) or our Facebook profile. ● The registration number will be necessary to submit your proposal. ● Registration fees support the development of the Laka Competition. ● If your financial situation doesn't allow you to participate in the competition, please contact us. ● Laka reserves the right to reduce the registration fee for selected participants in difficult financial situations after a positive evaluation of their individual requests.

#### 8. Submission Requirements

- Participants must submit their proposals no later than November 2, 2018 (23:59 UTC), to [competition@lakareacts.com](mailto:competition@lakareacts.com) with "Laka Competition 2018 Entry" in the subject.
- This is a digital competition, and the boards must be prepared in digital format.
- Hard copies will not be accepted.

#### The project submission must contain the three following files:

##### 1. One board 24" (h) X 48" (w):

- Named according to the registration number (e.g., "0227.jpg").
- Saved as a JPG file in RGB mode, in horizontal format with 150 dpi.
- The size of the JPG file should be less than 10 MB.
- In the upper right corner, the registration number must be included.
- This is an anonymous competition.
- The registration number must be the only form of identification.

##### 2. A DOC file with the project statement (up to 500 words):

- Named according to the registration number (e.g., "0227-statement.doc").

##### 3. A DOC file with the participants' personal information:

- Named according to the registration number (e.g., "0227-team.doc").
- It should include name, profession, address, and email.
- In the case of a team, a team representative must be indicated.

- All three files must be placed in a folder named according to your registration number and archived to a ZIP file (e.g., "0227.zip"). ● DOC files must include plain text only (any other materials, such as images, tables, and charts, are not allowed). ● The ZIP file must not be larger than 10 MB and must be sent to [competition@lakareacts.com](mailto:competition@lakareacts.com) with "Laka Competition 2018 Entry" in the subject no later than on November 2, 2018 (UTC). ● We will send you a confirmation of our receipt of the materials within 48 hours.

#### 9. Rules and Regulations

- Participants can submit their inquiries to [hello@lakareacts.com](mailto:hello@lakareacts.com).
- All projects must be submitted in English.
- This is an anonymous competition.
- The registration number is the only form of identification.
- The registration fee is non-refundable.
- Contacting the jury is prohibited.
- Entrants will be disqualified if any of the rules and regulations are not followed.
- Laka reserves the right to modify the competition schedule.
- Laureates of main prizes will be asked to provide the written material (an interview, general essay, description of the submission, or something different) within two weeks of their request from Laka. The final form of the written material will be indicated by Laka. The written material should be prepared professionally in American English.

- The organizer pays 10% tax on financial awards in the country of the business activity.
- The organizer reserves the right to increase the value of the financial award.
- All participants must accept the rules and regulations.

#### 10. Contact us

- If you have questions about the competition, please contact us: [hello@lakareacts.com](mailto:hello@lakareacts.com).
- If you haven't received our reply, your inquiry may not have reached us for technical reasons. In this case, please contact us again via our social media.
- We answer inquiries within two business days.

#### Laka's websites:

[hello@lakareacts.com](mailto:hello@lakareacts.com)

#### Laka Competition 2018:

<https://lakareacts.com/competition-2018/>

#### 'Laka Perspectives' book:

<http://lakaperspectives.com>

#### Follow us on our social media:

<https://facebook.com/Laka.react>

<https://twitter.com/lakareacts>

<https://www.instagram.com/laka.react>

<https://www.linkedin.com/company/laka-architektura>