

# CURRICULUM VITAE

Victor Sardenberg is an architect, researcher and PhD candidate. He focuses on architecture design as speculation, with a particular interest in aesthetics, computational design and fabrication techniques and speculative philosophy. He is an Associate Researcher in Digital Methods in Architecture at Leibniz Universität Hannover, where he researches and develops a computational framework for the quantification of the architectural aesthetics experience. The title of his ongoing PhD is “Computational Framework for Quantifying the Architectural Aesthetic Experience” and is being developed under the advice of Prof. Mirco Becker.

He holds a post-graduate Master of Arts from the Städelschule Architecture Class, Frankfurt am Main, with a specialisation in Architecture and Urban Design, when a DAAD scholarship funded him. He holds a five-year professional diploma in Architecture and Urbanism from Mackenzie University of Architecture and Urbanism, São Paulo.

He has taught computational tools and digital fabrication in workshops around the world, including the AA Visiting School, Hochschule Düsseldorf, Universidade Federal do Rio de Janeiro, Städelschule, Universidade Católica do Pernambuco - UNICAP, PUC-Rio and Universidade Federal do Mato Grosso do Sul. He co-curated the exhibition “ER-RE - Estranhando o Real - Realizando o Estranho” in São Paulo in 2017 and the exhibition “It’s all a blur” in Hannover, 2021. He has been organising and co-curating the KATAKOMBE conversation series since 2018 at the Städelschule. Moreover, he has contributed to cultural patrimony, art installations and sound landscapes.

Some of his work is available in [www.victorsardenberg.com](http://www.victorsardenberg.com)

## Professional Experience

**2016 -  
Present**

• **Associate Researcher** in Digital Methods in Architecture at Fakultät für Architektur und Landschaft, Leibniz Universität Hannover, Germany.

**2019 -  
Present**

• **Freelancer Architect** at PolyLester, Amsterdam, art practice established by Gabriel Lester.

**2021**

• **Visiting Professor** in the post-graduate specialisation program “Design Technologies” at the UNICAP Icam-TECH (Universidade Católica de Pernambuco and Institut Catholique d’Arts et Métiers - Brazil/France).

- 2015 - 2016**

  - **Lecturer** at *Peter Behrens School of Architecture*, Hochschule Düsseldorf, Germany.
  - **Coordinator** of *Architectural Association Frankfurt Visiting School*.
- 2016**

  - **Freelancer Architect** at *Tobias Rehberger*, Frankfurt am Main.
- 2014 - 2015**

  - **Freelancer Architect** at *Franken Architekten GmbH*, Frankfurt am Main.
- 2013 - 2014**

  - **Architect** at *SUBdV Architecture*, São Paulo, Brazil.
- 2013 - 2016**

  - **Co-Author** for the aU Magazine Blog "*Arquiteturas Avançadas*"
- 2010 - 2013**

  - **Intern** at *SUBdV Architecture*.
- 2012**

  - **Intern** at the digital fabrication bureau *ShopFront Fab.*
- 2008 - 2010**

  - **Intern** at *Marcos Carrilho Arquitetos*.

## Teaching

### 2021

- **Lead Tutor** in Robots in Architecture Seminar at *Leibniz Universität Hannover*, Germany, with Andrea Kondziela.
- **Lead Tutor** in Paperless Worksite: Building Architectural Structures with Augmented Reality Seminar at *Leibniz Universität Hannover*, Germany, with Andrea Kondziela.
- **Lead Tutor** in Count, Measure, Display! Architectural Data Visualisation Seminar at *Leibniz Universität Hannover*, Germany,
- **Lead Tutor** in the International Workshop at *UNICAP Icam-TECH (Universidade Católica de Pernambuco and Institut Catholique d'Arts et Métiers - Brazil/France)* with Ana Luisa Rolim.
- **Lead Tutor** in Parametric Design and Biomimesis seminar at the specialisation post-graduate program in design at *UNICAP Icam-TECH (Universidade Católica de Pernambuco and Institut Catholique d'Arts et Métiers - Brazil/France)*.

### 2020

- **Lead Tutor** in Robots in Architecture Seminars at *Leibniz Universität Hannover*, Germany, with Andrea Kondziela.
- **Lead Tutor** in Building Architectural Structures with Augmented Reality Seminar at *Leibniz Universität Hannover*, Germany, with Andrea Kondziela.
- **Lead Tutor** in Silicon-Based Imagination - Architectural Drawings with machine Learning Seminar at *Leibniz Universität Hannover*, Germany.
- **Lead Tutor** in Count, Measure, Display! Architectural Data Visualisation Seminar at *Leibniz Universität Hannover*, Germany,

- 2019**
- **Lead Tutor** in Robots in Architecture Seminars at *Leibniz Universität Hannover, Germany.*
  - **Lead Tutor** in 3D Printing Architectural Models and Prototypes Seminar at *Leibniz Universität Hannover, Germany.*
  - **Lead Tutor** in Count, Measure, Display! Architectural Data Visualisation Seminar at *Leibniz Universität Hannover, Germany,*
- 2018**
- **Lead Tutor** in Robots in Architecture Seminar at *Leibniz Universität Hannover, Germany.*
  - **Lead Tutor** in Count, Measure, Display! Architectural Data Visualisation Seminar at *Leibniz Universität Hannover, Germany,*
  - **Lead Tutor** in Swiping Left and Right - Crowdsourcing aesthetic evaluation workshop at *Leibniz Universität Hannover, Germany,*
  - **Assistant Tutor** in Airport Design Studio at *Leibniz Universität Hannover, Germany.*
- 2017**
- **Lead Tutor** in Robots in Architecture Seminar at *Leibniz Universität Hannover, Germany*
  - **Lead Tutor** in Digital Fabrication Seminar at *Leibniz Universität Hannover, Germany*
  - **Assistant Tutor** in building rehabilitation Design Studio at *Leibniz Universität Hannover, Germany.*
  - **Lead Tutor** in Computational Architecture Design Workshop at *Universidade Federal do Mato Grosso do Sul, Campo Grande, Brazil.*
  - **Tutor** on Generative Algorithms Workshop at *Universidade Federal do Rio de Janeiro, Brazil*
  - **Lead Tutor** on Introduction to 3D Printing workshop at *NODE Festival, Frankfurt am Main.*

- 2016**

  - **Tutor** in computational design workshop at *Hochschule Düsseldorf and Pontifícia Universidade do Rio de Janeiro.*
  
- 2015**

  - **Tutor** in computational design workshop at *Städelschule Architecture Class*
  - **Tutor** on Gridshell Structures Workshop with Lawrence Friesen in London, for the Cape Breton Park Gridshell, with the *Dalhousie University, Canada*
  - **Assistant lecturer** in Digital modeling seminars at *Peter Behrens School of Architecture, Hochschule Düsseldorf, University of Applied Sciences.*
  - **Assistant tutor** at *Architectural Association “São Paulo Super-Living” Visiting School.*
  - **Tutor and Coordinator** at *Architectural Association “Peripheral Museum of Contemporary Art” Frankfurt Visiting School.*
  
- 2014**

  - **Lead Tutor** at Robotic Arm Fabrication workshop at *PUC-Rio - Pontifícia Universidade Católica Rio de Janeiro*
  - **Lead Tutor** at the Parametric Architecture Workshop on *UNICAP, Recife, Brazil.*
  - **Tutor** at “Abrigos Sensíveis” workshop at *Universidade Federal do Rio de Janeiro - UFRJ.*
  - **Tutor** at “Infrastructure Padrão FIFA” workshop in Rio de Janeiro as part of the *Architectural Association Visiting School*
  - **Tutor** at “Liquid Design: Multiple Scales” workshop in São Paulo as part of the *Architectural Association Visiting School*
  - **Lead Tutor** at Parametric Architecture workshop at *Universidade Federal do Mato Grosso do Sul, Campo Grande.*

- 2013** • **Assistant Tutor** at the "Liquid Urbanism" workshop in São Paulo as part of the *Architectural Association Visiting School*.
- 2012** • **Assistant Tutor** at the ShopFront Fab workshop in São Paulo as part of *Architectural Association Visiting School*.
- **Assistant Tutor** at the "Connecting Networks - Supple Pavilion Workshop 2" in Rio de Janeiro as part of the *Architectural Association Visiting School*.
- 2011** • **Assistant Tutor** at "Smart Informal Cities" workshop, hosted by *Mackenzie University, Parsons New School of Design and Amsterdam School of Arts*.
- **Assistant Tutor** at the "Supple Pavilion Workshop 1" in São Paulo as part of the *Architectural Association Visiting School* and of the 9th São Paulo Architecture Biennale
- **Assistant Tutor** at the "High-Low" workshop in São Paulo as part of the *Architectural Association Visiting School*.
- **Assistant Tutor** at the "Matéria Prima" workshop in Rio de Janeiro as part of *Architectural Association Visiting School*.

## Public Lectures and Public Events

- |      |   |
|------|---|
| 2021 | <ul style="list-style-type: none"><li>• “Speculative Design” lecture at <b>University College of London - Bartlett</b>, UK.</li><li>• “The Reality is a Strange Place” lecture at <b>Universidade Federal de Pelotas</b>, Brazil.</li><li>• “The Ground in Capitalocentrism” lecture at <b>Universidade Presbiteriana Mackenzie</b>, São Paulo, Brazil.</li><li>• Host and organiser of the KATAKOMBE conversations at the <b>Städelschule</b></li></ul>  |
| 2020 | <ul style="list-style-type: none"><li>• “The Ground in the Capitalocentrism” lecture at Escola de Belas Artes, <b>Universidade Federal do Rio de Janeiro</b>.</li><li>• “Ground Conditions in the Capitalocene” lecture at <b>SRM Institute of Science and Technology</b>, Kattankulathur, India.</li><li>• “Ground Conditions in the Capitalocene” lecture at <b>Chennai Academy of Architecture and Design</b>, Chennai, India.</li><li>• “Architecture Today and Tomorrow” lecture at <b>UNICAP Icam-TECH (Universidade Católica de Pernambuco and Institut Catholique d’Arts et Métiers - Brazil/ France)</b></li><li>• “Ground Conditions in the Capitalocene” lecture at Creative Collaboration and Transdisciplinarity conference at the <b>Limerick School of Art and Design</b>, Ireland.</li><li>• Host and organiser of the KATAKOMBE conversations at the <b>Städelschule</b></li></ul> |

- 2019**

  - “Ground Conditions in Capitalocentrism” lecture at **Technische Hochschule Ostwestfalen-Lippe**, Detmold.
  - “Aesthetics Explorations” lecture at the DME chair (Prof. Hoffman) at the **Bergische Universität Wuppertal**
  - “Computational Aesthetics” lecture at the Future Habitats lecture programme at the **Leibniz Universität Hannover**
  - “Ground Conditions in the Capitalocene” lecture at the DME chair (Prof. Hoffman) at the **Bergische Universität Wuppertal**
  - Presenter for the “Kunststoff” guided visit at the Manuel Graf exhibition at the **Hannover Kunstverein**
  - Host and organiser of the KATAKOMBE conversations at the **Städelschule**
- 2018**

  - “Reality is a Strange Place” lecture at Design and Computation Group in the **University of Lisboa**
  - “Reality is a Strange Place” lecture at **University of Tehran**, Iran.
  - Host and organiser of the KATAKOMBE conversations at the **Städelschule**
- 2017**

  - “Reality is a Strange Place” lecture at **Universidade Presbiteriana Mackenzie**, Brazil
  - “Reality is a Strange Place” lecture at **Universidade Federal do Rio de Janeiro**, Brazil
  - “Reality is a Strange Place” lecture at **Universidade Federal do Mato Grosso do Sul**, Brazil
- 2016**

  - “Architecture and Computation” at **UniCEUB Centro Universitário de Brasília**, Brazil.
- 2015**

  - “Design and Performance” presentation at **ISH Frankfurt am Main**
- 2014**

  - “Computational Design Thinking” Lecture at **PUC-Rio** - Pontifícia Universidade Católica Rio de Janeiro



- 2013**
- "Emergent Processes in Informal Territories" lecture, at **Instituto Cervantes**, São Paulo, Brazil
  - "Emergent Processes in Informal Territories" lecture, at **UNISANTA**, Santos, Brazil.
  - "Emergent Processes in Informal Territories" lecture, at **UNISO**, Sorocaba, Brazil.
- 2012**
- "Bottom-Up Processes" lecture at the Graduate Program at **Mackenzie University**, São Paulo
- 2011**
- Digital fabrication presentation at "**Architectural Association** High-Low Architecture" Symposium, at City of Samba, Rio de Janeiro.

## Peer-Reviewed Publications

- |      |   |
|------|---|
| 2021 | <ul style="list-style-type: none"><li>• “<i>The Hyphae House and the Paperless Worksite</i>” - <b>SiGraDi</b> Designing Possibilities - Ubiquitous - Sardenberg, V., Rolim, A. L., Digiandomenico, D., Figueiredo, A., Rattes L. R. De Aguiar, R., Duarte, C. Link to the <a href="#">presentation</a> and to the <a href="#">paper</a></li></ul>   |
| 2020 | <ul style="list-style-type: none"><li>• “<i>Topping Up Digitally - Multiplayer Approach to Preparing a Pizza in Mixed Reality</i>” - <b>Creative Food Cycles</b> - Drude, J. and Sardenberg, V. Link to the <a href="#">paper</a></li><li>• “<i>Extending the Robotic Workspace by Motion Tracking Large Workpieces</i>” Video - <b>ACADIA</b> - Sardenberg, V., Schacht, M. Becker, M. Link to the <a href="#">site</a> and to the <a href="#">video</a>.</li><li>• “<i>Extending the Robotic Workspace by Motion Tracking Large Workpieces</i>” Poster - <b>Human Computer Interaction International Conference</b>. Becker, M., Sardenberg, V., Schach, M. Link to the <a href="#">poster</a>.</li></ul> |
| 2019 | <ul style="list-style-type: none"><li>• “<i>Aesthetic Quantification as Search Criteria in Architectural Design - Archinder</i>” - <b>eCAADe &amp; SiGraDi</b> - Sardenberg, V., Burger, T., Becker, M. Link to the <a href="#">paper</a>.</li><li>• “<i>Generative Systems: Intertwining Physical, Digital and Biological Processes, a case study</i>” - <b>eCAADe &amp; SiGraDi</b> - Gonçalo, C. H., Bueno, E., Lenz, D., Sardenberg, V. - Link to the <a href="#">paper</a>.</li><li>• “<i>The € Monument and the Capitalocentrism</i>” - <b>V!RUS Journal</b> - Universidade de São Paulo, Brazil - Sardenberg, V., Chnaiderman, B. - Link to the <a href="#">paper</a>.</li></ul>                     |

2018

- “*Matrix application processes for RoboFelt*” - **IASS Annual Conference** - MIT (Boston) - Becker, M., Sardenberg, V., Burger, T.. Link to the [paper](#).
- “*Four-Dimensional Objects, Cellular Automata and Virtual Reality: The Hypercocoon project*” - **Formal Methods in Architecture** Conference - Sardenberg, V., Tebaldi, I., Bier, E., Prado, N. - Link to the [paper](#).
- “*Form finding and generative systems: A theoretical and applied research project*” - **Formal Methods in Architecture** Conference - Henriques, G. C., Bueno, E., Martino, J., Sardenberg, V., Lenz, Daniel. Link to the [paper](#).

## Artwork Installations, Exhibitions and other Publications

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|------------------|---|
| <b>2021</b>      | <ul style="list-style-type: none"><li>• Co-organiser and Co-curator of “It’s all a blur! Physical models from the pandemic archive” Exhibition at dMA Hannover, Leibniz Universität Hannover.</li></ul>   |
| <b>2020</b>      | <ul style="list-style-type: none"><li>• “The Slab Stack” is exhibited at the ELIA Bienall Conference.</li></ul>   |
| <b>2019</b>      | <ul style="list-style-type: none"><li>• “Nation in the Great Atlantic Garbage Vortex” exhibited in Chengdu, China. Exhibition “A Tale of Two Cities”.</li></ul>   |
| <b>2018</b>      | <ul style="list-style-type: none"><li>• “Nation in the Great Atlantic Garbage Vortex” exhibited in Frankfurt am Main, at Studio Kai.</li></ul>  |
| <b>2017</b>      | <ul style="list-style-type: none"><li>• Co-Organiser and Co-curator of the exhibition “ER-RE - Realising the Strange - Strangening the Real” in Casa da Xiclet Galley in São Paulo, Brazil.</li></ul>   |
| <b>2016</b>      | <ul style="list-style-type: none"><li>• “<i>Big Fat Dumb Cities For Sale</i>” exhibited in Städelschule Rundgang, Frankfurt am Main</li></ul>   |
| <b>2015-2016</b> | <ul style="list-style-type: none"><li>• Author of an ongoing series of articles about Architecture and Education for <i>Revista aU</i>, in Brazil.</li><li>• Author of an ongoing series of articles about unbuilt influential projects for <i>Indechs Magazine</i>, in Germany.</li></ul>  |
| <b>2015</b>      | <ul style="list-style-type: none"><li>• Project “The Painterly Museum” exhibited at <i>Architecture Rhein Main Summer Festival - Active Borders - Frankfurt am Main</i></li><li>• Projects Coblogó by SUBdV Architecture, Muscipullus by UFRJ students and Love Project by Studio Guto Requena were included in the traveling exhibition “Homo Faber”</li></ul> |
| <b>2014</b>      | <ul style="list-style-type: none"><li>• “Along the Edge” and “Infrastructure Padrão FIFA” online book, presenting the results of <i>AA Visiting School</i>.</li></ul>   |
| <b>2013</b>      | <ul style="list-style-type: none"><li>• Design and fabrication for the "Mutante" artwork exhibited at the <i>Museum of Modern Art in São Paulo</i>, with SUBdV.</li><li>• “Emergent Processes in Informal Territories” - Bachelor Thesis Paper, <i>Mackenzie University</i>, São Paulo.</li></ul>   |

**2012**

- "Informal Territories Co-Creation Laboratory" workshop projects exhibited at the *Architecture Biennale of Rotterdam*.

**2011**

- Sound installation "Painéis HIGH-LOW" exhibited at *FILE - International Festival of Electronic Language 2011*, at FIESP, São Paulo

## Studies

**2020 -  
Current**

- **PhD candidate** - “Computational Framework for Quantifying the Architectural Aesthetic Experience” - Advisor: Prof. Mirco Becker, **Leibniz Universität Hannover**, Germany.

**2019**

- Freestanding Course, Introduction to Contemporary Art and Politics - Valand Academy - University of Gothenburg, Sweden. (Not completed)

**2018**

- Freestanding Course, Introduction to Contemporary Art and Politics - Valand Academy - University of Gothenburg, Sweden.

**2016**

- Angewandte Architecture Challenge - 3D Robotically Bent Polymer Structure, Angewandte, Vienna.

**2014 -  
2016**

- **Post-Graduate Master of Arts** with a specialisation on Architecture and Urban Design under Prof. Peter Trummer, **Städelschule Architecture Class**, (Johan Bettum, Mirco Becker Ben van Berkel, Jeffrey Kipnis, David Ruy), Frankfurt am Main, Germany.

**2008 -  
2013**

- Professional 5 years **Diploma of Architecture and Urbanism**, **Universidade Presbiteriana Mackenzie**, São Paulo Brazil.

**2010**

- Architectural Association São Paulo Visiting School “Micro-Revolutions”, São Paulo, Brazil.

## Guest Critic

### 2013 - Current

- **Technische Hochschule Ostwestfalen-Lippe**, Detmold, Germany
- **Städelschule Architecture Class**, Frankfurt am Main, Germany
- **University of Liverpool**, Liverpool, UK.
- **Bergische Universität Wuppertal**, Wuppertal, Germany.
- **University College of London Bartlett**, London, UK.
- **Universidade de Brasília**, Brasília, Brazil.
- **Universidade Federal do Mato Grosso do Sul**, Campo Grande, Brazil.
- **Centro Universitário de Belas Artes**, São Paulo, Brazil.

## Personal Information

<b>Full Name</b>	Victor Carrilho Sardenberg
<b>Citizenships</b>	<ul style="list-style-type: none"><li>• Brazilian</li><li>• Italian</li></ul>
<b>e-Mail</b>	sardenberg@iat.uni-hannover.de vsardenberg@gmail.com
<b>Phone</b>	+49 176 8121 6305
<b>Address</b>	Werderstrasse, 6 Hannover 30161
<b>Languages</b>	<ul style="list-style-type: none"><li>• English (Fluent)</li><li>• Portuguese (Fluent)</li><li>• German (Basic - A2)</li><li>• Spanish (Basic)</li></ul>
<b>Birth</b>	São Paulo, Brazil 08/09/1988