

curriculum vitae

Pia Christina Fricker



Full name and date

Name	Pia Christina Fricker
Gender	Female
Date of writing CV	23.04.2018

Date and place of birth, nationality, current residence

Date of Birth	17.06.1974
Place of Birth	Karlsruhe, Germany
Nationality	Finnish
Family Status	married
Current Residence	Kontiontie 3 E 38 FIN 02110 Espoo pia.fricker@aalto.fi + 358 503087105

Education and degrees awarded

Doctoral Studies	PhD student , ETH Zurich (CH): to be finished end of 2018
Postgraduate Studies	Diploma Master of Advanced Studies in Computer Aided Architectural Design (MAS.CAAD.ETHZ): 2002 - 2003, (65 ects) – parametric design in architecture, Prof. Ludger Hovestadt, Chair for Computer Aided Architectural Design, Dept. for Architecture, ETH Zurich (CH), final grade: excellent
Academic Studies	M.Sc. Architecture (Dipl.Ing): 2001, Technical University Karlsruhe (DE), topic: Hafencity Hamburg, supervisor Prof. Dr. Günther Uhlig, Prof. Henri Bava, specification in landscape architecture and urban design, final grade: excellent

Other education and training, qualifications and skills

Further Education	Construction Manager: 2004, Baugewerbliche Berufsschule Zurich, (CH)
International mobility	1998-1999, Department of Architecture, HUT : Technical University Helsinki, and Department of Architecture, TUT : Technical University of Tampere, (FIN)

Linguistic skills

Language Skills	German : native speaker English : fluent, spoken and written (CEF level C2) Finnish : good command, spoken and written (CEF level B2) French : good command, spoken and written (CEF level B2) Swedish : basic communication skills (CEF level A2)
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Current position

Current position	since August 2017: Professor , Professorship for Computational Methodologies in Landscape Architecture and Urbanism, Dept. for Architecture
Employer	Aalto University, School of Art, Design and Architecture

Place of work Espoo, Finland

Previous Professional Experience

2016 - 2017 **Executive in Residence** at Aalto University, (FIN)
Founder and director of the Digital Landscape Laboratory at the Landscape Architecture Program

2007 - July 2016 **Director of Studies** of the Postgraduate Study Program in Landscape Architecture MAS LA (Docent/Ass. Professor), Professor Christophe Girot, Chair for Landscape Architecture, Dept. for Architecture, ETH Zürich, (CH)

2014 **Sabbatical Substitute** of Prof. Christophe Girot , ETH Zurich

2010 – 2016 **Docent** at the Dept. for Architecture, ETH Zurich, (CH)

since 2006 **Partner at studio kaisersrot**, www.kaisersrot.ch
kaisersrot: interdisciplinary consulting & design studio exploring the potential of computational design for urbanism.

2003 – 2011 **Senior research and senior teaching assistant**,
Prof. Ludger Hovestadt, Dept. for Architecture, ETH Zürich, (CH)

2002 - 2005 **Head of Innovation Department - Project Architect**, arc Architekten, Zürich, (CH)

2001 – 2002 **Trainee**, evangelische Baudirektion, Karlsruhe, (DE)

2000 – 2001 **Trainee**, Architecture office talli tomistot, Helsinki, (FIN)

1998 – 1999 **Trainee**, Architecture office Wenzel, Frese, Poertner Haller, KA, (DE)

Research funding as well as leadership and supervision

2018 **Leadership** Aalto University: Head of LAND group, supervisor of lecturers in the Landscape Architecture programme.

2017 **Project Leader** Multidisciplinary research project: "Landscape in Transformation - Interactive Data-Sets in Mixed Reality", in cooperation with Department of Film, Television and Scenography, Department of Media, Media Lab, Department of Built Environment. Aalto University, (FIN)

2014 **Project Leader** in cooperation with PLUS Chair: Host of "Digital Landscape Architecture Conference" in cooperation with PLUS Chair, ETH Zurich. Founded by the Institute of Landscape Architecture, ETH Zurich and Swiss National Science Foundation

2009 **Project Team Member** Foundation of "Landscape Visualization and Modelling Laboratory – LVML". The LVML applies state of the art research and methods on terrestrial scanning and modeling tools to landscape infrastructure projects. Founded by Swiss National Science Foundation. <http://girot.arch.ethz.ch/landscape-education/chair-structure/landscape-visualization-lab>

2007 - 2008 **Project Co-Leader** Urban Design: "An Automation for Making Architecture". A project hosted by Prof. Hovestadt and ETH spin-off kaisersrot, cofounded by ETH Zurich and FESTO

2006-2007 **Project Workstream Lead** Urban Design: "Hardturm Baufeld B, Zürich (CH)". A project hosted by Prof. Hovestadt and ETH spin-off kaisersrot, cofounded by ETH Zurich and Halter AG

2007 **Project Workstream Lead** "Sensor based interaction within Architecture". Using Arduino and Processing, founded by the ETH Zurich

2003 **Project Team Member** in the project "Red Hell" a portal for the teleimmersion interdisciplinary research project "Blue-C", founded by the ETH Zurich, (<http://blue-c.ethz.ch/>)

Since 2007 **Supervision** Advisor and Supervisor of **69 Postgraduate Diploma Theses** (ETH Zurich, CH)

Since 2013 **Supervision** Advisor for **6 PhD Theses** (international)

Since 2015 **Supervision** Supervisor/Advisor of **5 Master Theses** (Aalto University, FIN)

Since 2003 **Supervision** Invited international expert guest at several final critiques at architecture and landscape architecture studios.

Merits in teaching and pedagogical competence

Pia Fricker has been teaching within the field of Computational Methodologies for urban planning/design and landscape architecture since 2003, so far she directed 25 studios, 15 elective courses and series of workshops and international lecture series.

Postgraduate Studies **Master of Advanced Studies in Didactics and Pedagogy:** 2005 – 2011, (60 ects), ETH Zurich (CH), final grade: outstanding

Teaching experience – short list:

2018 autumn semester **Directing the newly founded Robotic Lab Studio**

2018 spring semester: **Directing the VR Lab Studio Course “Soundscapes in VR – in cooperation with Nanjing University China”** at Aalto University, Finland: 12 students

2017 autumn semester: **Directing the newly founded VR Lab Studio “Entering Mixed Reality”** at Aalto University, Finland: 16 students

2017 spring semester: **Directing the Digital Landscape Studio “Exploring Swissness”** at Aalto University, Finland: 18 students

2016 autumn semester: **Directing the Digital Landscape Studio “Artificial Island at Finnoo”** at Aalto University, Finland: 15 students

2016 spring semester: **Directing the Digital Landscape Architecture Workshop “Meaningful Application Fields of Virtual Reality within Landscape Architecture”**, Aalto University, Finland: 10 students

2015 autumn semester: **Directing the Digital Landscape Studio “Creating a Vision for Gräsanoja”** at Aalto University, Finland: 15 students

Since 2007 - 2016 **Director of Studies MAS LA, ETH Zurich** (team-leader, responsible for teaching content, organization, set-up of program, development, financial coordination) of the postgraduate study program Master of Advanced Study Program in Landscaper Architecture: a one-year program with around 12 - 16 international students. 60 ECTS credits: <http://girot.arch.ethz.ch/masla>

2006 – 2011 **Conception, coordination and teaching of “CAAD I + II”:**
A two-semester course for the bachelor students of architecture: The course is giving an overview about the state of the art information technologies. Weekly lectures are combined with assignments: 120 students

Teaching Workshops over 10 international workshops with top ranked universities

Awards, prizes and honours

2018 **Seed-funding Award** by Aalto University for “new multidisciplinary openings

2017 **Seed-funding Award** by Aalto University for excellent research

2010 **Ivan Petrovic Price eCAADe 2010 Zurich**, Switzerland (award for the overall best paper and presentation by a young researcher) with the paper: Towards a Meaningful Usage of Digital CNC Tools - within the field of large-scale landscape architecture.

2005 **1st prize in the category:** future point 05, imm cologne: **architecture** for the, ESG Pavillon (final project of the postgraduate study program mas.caad.ethz.ch), ETH Zurich, CH

2005 **honorable mention:** “Housing in Altstetten - Zürich” in cooperation with arc office, Zurich, CH

2003 **3rd prize:** “German School in Geneva” in cooperation with hartwig n.schneider, Stuttgart, DE

2002 **Postgraduate-scholarship:** Deutscher Akademischer Austauschdienst (DAAD), Bonn, DE

2001 **honorable mention:** “New Housing Concepts for Helsinki” in cooperation with talli tomistot, Helsinki, FIN

2001 **Internship-scholarship:** Leonardo da Vinci, EU Program, Bonn, DE

Other academic merits

Peer evaluation committees: **expert peer reviewing** committee for HYBRID LABS Symposium, 2018

expert peer reviewing committee for DLA conference, since 2013
expert peer reviewing committee for ACADIA conference, since 2010
reviewer eCAADe conference (since 2010)
expert peer reviewer:
 International Journal of Architectural Computing
 Landscape and Urban Planning Journal
 Journal of Architecture and Urbanism
 eCAADe (2017, 2016, 2015, 2014)
 Digital Landscape Conference - DLA (2018, 2017, 2015, 2014)
 ACADIA (2017)
Journal of Digital Landscape Architecture Magazine (2016-2018)
Member for the Digital Landscape Conference (DLA), since 2013
 Aalto University, Digital Landscape Architecture lecture series (since 2015)
 ETH Zurich, MAS LA lecture series (2008 – 2016)
 ETH MittelBau II + III (2006): Lecture Series of the Assistant Board of the
 Department of Architecture, ETH Zurich, CH
 Organisation of Conferences DLA Digital Landscape Architecture Conference 2014 at ETH Zurich, CH

Scientific and societal impact of research

Pia Fricker has published over 10 articles, several book contributions and is editor of two books besides her ten peer reviewed articles. Most important publications are marked in red in the list of publications.

Talks (short listed):

15.02.2018, Jyväskylä Conference of the The Finnish Association of Landscape Industries, **Keynote: Computational Strategies for Responsive Landscapes**
 12.02.2018, Helsinki Finnish Ministry of Education, **Talk: Strategies for the digital future**
 30.11.2017, Oulu The 9th Annual Symposium of Architectural Research 2017, Oulu University, FI, **Talk: "Immersive experience through the exploration of mixed reality"**
 14.09.2017, Seinäjoki The 6th International Alvar Aalto Meeting on Contemporary Architecture : Humanity and Technology, **Talk: Digital Landscape Laboratory**
 06.09.2017, USA Stephen Strom Memorial Lecture: **Computational Methodologies for Landscape Architecture**, Department of Landscape Architecture, School of Environmental and Biological, Rutgers University - New Jersey - USA

Artistic work – exhibitions (short listed):

17.05. - 09.06. 2017 **Selected works** exhibited at the Aalto Festival, exhibition curator.
 26.05.2015 **Selected works of the Digital Landscape Architecture Studio 2015**, Dean`s Circle Event
 10. – 17.02.2016 **Digital Landscape Architecture Studio 2015** - exhibition of student work: "Creating a Vision for Gräsanoja!", exhibition curator.
 04. – 14.10.2013 **First Decade of MAS LA** - mas la 2012-13 - exhibition Master of Advanced Studies in Landscape Architecture, exhibition curator, ETH Zurich – CH
 ETH spin-off 2006, partner at ETH spin-off

Position of trust in society and other societal merits

Position of Trust since August 2017, **Head of international affairs and activities at the Department of Architecture**, Aalto University
Management board member since 2018, Urbans Studies and Planning Master`s Program USP, Aalto University (in cooperation with Helsinki University), since 2018
 since 2017, Experience Platform – a multidisciplinary platform for research, Aalto University
 Virtual Reality Cooperation, Aalto University, since 2017
 Delegate of the assistant board within the professorial committee at the ETH Zurich, 2008 – 2016