



## CURRICULUM VITAE

**Jonas Runberger**, born 1969  
Based in Stockholm

Architect, Researcher and Educator  
M.Arch. SAR/MSA, PhD

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### MAIN INTERESTS

*My work explores the potential of digital technology as means for innovation of architectural design processes, regarding design techniques, production, experiential effect and discourse. This is pursued through research, teaching and practice, with emphasis on design development, methodologies, technologies, strategies and management in relation to the field of computational design.*

### CURRENT ENGAGEMENTS

Head of Dsearch and R&D board member, **White arkitekter AB**  
Artistic Professor, **Chalmers Architecture & Civil Engineering (ACE)**  
University Lecturer, **KTH School of Architecture**

### RESEARCH & DEVELOPMENT

2018

**RMIT**, Melbourne, PhD Examiner, *PhD by Practice*

*Would Wood*, **Vinnova** funder research in additive manufacturing in timber, (White arkitekter + Chalmers ACE), WP Leader

AAG2018, conference **Chalmers ACE**, Workshop Coordinator

2017 - 2019

*Beyond Efficiency*, **Chalmers ACE/KTH/SLU**, funded by **Swedish Energy Agency**, Design Researcher

2017

**AHO**, PhD Viva, 2<sup>nd</sup> opponent

2017 - 2018

**Nordic Association of Architectural Research**, peer-reviewer

2016 - 2018

*InnoChain ETN Network*, **CITA**, industry representative (White arkitekter)

2015 - 2018

+ *Project Sliperiet – 3d-printing in Timber*, **Umeå University**, industry representative (White arkitekter)

2015

**Design Modelling Symposium 2015**, peer-reviewer

**Chalmers School of Architecture**, External Assessor for Lecturer position in Computational Design

2014 - 2017

Position of Adjunct Professor, **KTH School of Architecture**

2014 - 2016

*Design for an Energy Efficient Campus Life in Albano*, **KTH School of Computer Science and Communication/Green Leap**, funded by **Swedish Energy Agency**, Design Researcher

2014

**Journal of Space Syntax**, Vol 5, Issue 1, peer-reviewer

*Smart Built Environment*, Strategic Innovation Program, **IQ Samhällsbyggnad**, external reviewer of application

2012

Awarded Technical Doctorate in Architecture, **KTH School of Architecture**

2011

Panel member at event *Closing the Material Gap – Behave!*, **Svensk Form/Bioinspired Forum**, Stockholm

*Reframe*, a series of parametric design studies within the PhD project Architectural Prototypes and **Dsearch**

2010 - 2012

External reviewer of applications to **SmartGeometry**

2010

Moderator and advisor on symposium *Contemporary Practice, Beyond the Crisis*, **KTH School of Architecture**

2009

*Digital Fabrication*, seminar **KTH FIND**, **KTH ITM**

2008 – 2012

Doctoral candidate at **KTH ABE / Project Communication**  
Doctoral project *Prototype Development within Architecture*

2008 – 2009

Facilitator of seminar series on digital design tools in practice with international guests and Swedish practitioners

2008

Research exchange with **AA School of Architecture**, *Diploma Unit 16*, London

Awarded *Licentiate of Engineering* in Architecture at **KTH School of Architecture**

PhD candidate at *Project Communication*, **KTH ITM**

Panel member of *Prototypical Shelter*, event part of the *Space & Design Strategies Research* at the **Art University of Linz**

2007

External reviewer for **Arkus** research project for practitioners

Research trip Los Angeles, aff. with **UCLA**, **SCI-Arc** and **GL Form**

Participant at *SmartGeometry2007*, **Cooper Union** and *Creative within Constrains* seminar, **Columbia University**, New York City

2006

Member of the *Online Group of the Space of Communication* project at the **Städelschule**, Frankfurt

External examiner for *MA Architecture & Digital Design Systems* at **London Metropolitan University** (2006-2008)

Advisor in development project on *Industrial Office Building Production* for **SKANSKA Teknik** (with SSARK)

External advisor for validation of new MA programs on digital design and manufacture at **London Metropolitan University**

*Bostäder byggda med volymelement i Sverige*, Report on volumetric housing, **Boverket** (at SSARK)

2005 – 2008

Doctoral candidate at **KTH-A**

Doctoral project *Prototype Development within Architecture*

2003 – 2007

Partner of **KRETS**, design-based research collective

- *SplineGraft*, design project (2006)
- *PARCEL*, design project (2004 – 2005)
- *Prototypes for Performative Design*, public seminar (2003)
- *Info\_liations / Ex\_foliations*, **SIAL/RMIT**, Melbourne, visiting fellow and workshop leader, with **Servo** (2003)
- *Urbantoy* v.2, Krets for **Servo** (2003)

2002

Annual conference, **Nordic Journal of Architectural Research**, *Islands for Architectural Research*, invited workshop leader of *Progressive Practice* workshop

### PUBLICATION

2018

*Digitaliseringen kan stödja arkitektens kreativa arbete*, co-authored article, **Arkitekten**

2017

*A Collaborative Model for the Design and Engineering of a Textile Hybrid Structure*, co-authored peer-reviewed paper 2<sup>nd</sup> writer, **IAAS 2017**

*Morphology & Development - knowledge management in architectural design computation practice*, co-authored peer-reviewed paper 2<sup>nd</sup> writer, **eCAADe 2017**

*Collaborative Models for Design Computation and Form Finding – New Workflows in Versioning Design Processes*, co-authored peer-reviewed paper 1<sup>st</sup> writer, **Design Modelling Symposium 2017**

*Design System Assemblages*, co-authored peer-reviewed paper 2<sup>nd</sup> writer, **Professional Practices in the Built Environment**

2015

*Harnessing the Informal Processes around the Computational Design Model*, co-authored peer-reviewed paper 1<sup>st</sup> writer, **Design Modelling Symposium 2015**

2014

*Parametrisk design: Ett sätt att göra associationer*, article **Arkitekten**, with Ulrika Karlsson

2012

*Architectural Prototypes II: Reformations, Speculations and Strategies in the Digital Design Field*, doctoral thesis, **KTH**

*Arkitekters verktyg*, publication, **Arkus**

2010

*Cognitive Estrangement in Digital Design Practice*, peer-reviewed paper, **2010 ACSA West Central Fall Conference “Flip Your Field”**

*The Future Agency of Digital Design in Architecture*, popular article, **Conditions # 4**

2009

*Future Exhibitions*, interviewed in **Swedish Traveling Exhibitions**

2008

*Realtime Editing*, column in journal **RUM 10/2008**

*Architectural Prototypes: Modes of Design Development and Architectural Practice*, licentiate dissertation, **KTH-A**

*Krets*, projects featured in **Hatch: The New Architectural Generation**, Kieran Long

2007

*SplineGraft*, project featured in **Pasajes Construcción**, Spain

*Lagens Estetik*, review in journal **RUM 6/2007**

2006

*Volymelement i bostadsarkitekturen*, publication by **Arkus**, with Ylva Gunterberg

*Medverkande Design*, contribution in **Skapande Människa** 10-year anniversary publication.

*SplineGraft* project featured in Swedish **Arkitekten**, German **Form** journal, Korean **Space** journal, **Open House Exhibition Catalogue** and **Entry Paradise: New Worlds of Design**

*Fabriksbygg*, interviewed in journal **RUM**

*Mjukvaran leder till framtiden*, article in **Arkitekten**

*Bostäder byggda med volymelement*, report for **Boverket**, with SSARK

2005

*Krets and PARCEL, 01.AKAD*, co-editing section

*Remediation as operation and strategy within architectural design development*, paper, **Research Spaces** conference, **the Bartlett + the Slade**, London

*PARCEL – Developing Performative Prototypes in Architectural Design*, paper presented at the **Joining Forces** conference, **UIAH Helsinki**

2003

*Protocols of Collaboration*, article **RAM1** publication, **CRAC**

2002

*Architectural Prototypes*, article **Polytechnic Society of Gothenburg Yearbook 2002**

*Progressive Practice in Architecture*, peer-reviewed article in **Nordic Journal of Architectural Research**, with Fredric Benesch

2001

*Probing the Conjectural*, article **Trans Magazine**, Zurich, and lecture **KTH-A**, with Daniel Norell

*Hyper-Sketch - Site specific media in architectural design*, paper, **Architectural Research and IT**, Aarhus, with Tobi Schneider

## TEACHING (SEE ALSO LECTURES)

2016 – 2018

**Chalmers Ace**, Gothenburg, **Artistic Professor (KTH-A)**

- Internal Reviewer *Material & Detail + Material Turn* Master Studios
- *Architecture & Computation*, Research Group Leader

2000 – 2016

**KTH School of Architecture (KTH-A)**, Stockholm

- *Diploma Studio 9* (2010 – 2016)
- *Elective Seminar Digital Crafting* (2013)
- *Façade Articulations*, workshop leader, Sustainable Studio (2012)
- Academic Coordinator *Digital Fabrication Lab* (2012 – 2016)
- External jury member *diploma reviews* (2010)
- Visiting critic in 1<sup>st</sup> and 4<sup>th</sup> year (2009 – 2010)
- Diploma thesis supervisor (2006 – 2014)
- *Architecture InFormation* 4th year design studio (2006 – 2008)
- *Informed Modularity* 4th year design studio (2005 – 2006)
- *STHLM randzon*, 3rd year, Urban planning/design (2003 – 2004)
- *1st year crash course* (2003)
- *1st year*, assisting tutor (2003)
- *Project or Proposal*, open summer course (2002)
- *Urban Curating*, 4th year, *Hyperstructures* workshop (2001 – 2002)
- *Navigation Organisation Narrative (NON)*, 4th year (2001)
- *Hypersketch 1+2* (2000)

2014

*Architectural Technology*, survey and report on future teaching models, **KTH-A**

2014 - 2016

**Chalmers School of Architecture**, Chair in Candidate Reviews

2013 - 2017

**Chalmers School of Architecture**, 2ndary PhD Advisor

2012

*Inventory of collaborative models*, **KTH School of Architecture and the Built Environment**, project coordinator

2010

*Architectural Concepts*, course in MA in Project Management, **KTH Project Communication**, coordinator and lecturer

*Parametric Patterns*, workshop facilitator, **VCU Qatar**, Doha

2008 – 2010

Unit Master, *Diploma Unit 16*, **Architectural Association (AA)**

2009

**KTH ITM**, *IT-management*, course coordinator

Facilitator GenerativeComponents workshop, **KTH ITM/SmartGeometry Group/Bentley Systems**

2008

**London Metropolitan University**, *MA Architecture & Digital Design Systems*, invited critic

**School of Architecture at Lunds Tekniska Högskola**, Invited diploma thesis critic and supervisor

2007

**Tema Architects**, Stockholm, commissioned instructor in parametric design application *GenerativeComponents*

**London Metropolitan University**, *MA Architecture & Digital Design Systems*, invited critic

**SCI-Arc**, Los Angeles, *2GBX*, invited critic

**Woodbury University**, Los Angeles, invited critic

2006

**The Architectural Association and London Metropolitan University**, facilitator collaborative workshops

2005

The **Architectural Association**, *Diploma Unit 16*, invited critic

2004

**Columbia University**, *Adv. Architecture Studio 6*, invited critic

2003

*Info\_liations / Ex\_foliations*, visiting fellow at **SIAL (RMIT)**, Melbourne, Australia

2000 – 2002

*Communicative Spaces*, 2<sup>nd</sup>, 3 separate courses, tutor and coordinator, **KTH Media technology**, Stockholm

2001

*Machinic Processes in Architectural Design*, the **School of Architecture at ETHZ**, Zurich, assistant for Prof. Greg Lynn**SELECTED LECTURES (SEE ALSO TEACHING)***Lectures in Academia 2003 – 2018*

**2018**: *Artez Corporeal – keynote lecture (Zwolle)* **2017**: *Chalmers Architecture - Vision & Instrument (Gothenburg)*, **2016**: *LTH School of Architecture (Lund 2014 - 2016)*, *KTH School of Technology and Health (2014 - 2016)*, *KTH Project Communication (2010 - 2016)* **2013**: *KTH-A Architectural Technology (Stockholm 2013)*, *KTH Tensta Arkitekturskola, Heriot Watt Industry Day (Edinburgh)*, *CITA (Copenhagen)*, **2012**: *Beckman's College of Design ((Stockholm)*, *College of Design University of Kentucky*, **2011**: *Chalmers University of Technology (Gothenburg)*, **2010**: *VCU Qatar (Doha)* **2009**: *KTH-A Architectural Technology (2008 - 2009)*, *AA School of Architecture (London)* **2008**: *Bauhaus Universität Weimar (Weimar)*, *University of Trollhättan* **2007**: *KTH-A, first year, University of Jönköping (2006 - 2007)*, *Metropolis Lab (Copenhagen)*, *Mejan Labs (Stockholm)*, *Columbia University (New York City)* **2006**: *Städelschule (Frankfurt 2006)*, *AA School of Architecture (London)* **2005**: *Konstfack (Stockholm)*, *Space & Perception Symposium, Rixc (Riga)*, *IT University (Stockholm)*, *KTH-A, first year (Stockholm)*, *Chalmers University of Technology (Gothenburg)*, *RMI Berghs School of Communication (Stockholm)* **2004**: *KTH-A, first year (Stockholm)*, *RMI Berghs School of Communication (Stockholm)*, **2003**: *KTH-A, first year*

*Lectures in Practice 2005 - 2018*

**2017**: *Architectural Concepts*, *Tyréns Engineering Elegance*, *A Digital Materiality*, *Umeå Storforum*, *Digital Wood*, *Key Note*, *Stockholm Furniture & Light Fair* **2016**: *3DP Symposium*, *Key Note (Stockholm)* **2015**: *Sweco (Gothenburg)* **2014**: *Semrén+Månsson (Gothenburg)*, *Belatchew Arkitekter (Stockholm)* **2012**: *3DP Symposium (Stockholm)* **2011**: *Form/Design Center (Malmö)*, *Forum för Arkitektur ((Stockholm)*, *White Arkitekter (Copenhagen)*, *Strategisk Arkitektur ((Stockholm)* **2010**: *ÄWL Arkitekter (Stockholm)* **2009**: *Bioinspired Forum (Stockholm)*, *Bioinspired Forum (Simrishamn)* **2008**: *White Arkitekter (Stockholm)* **2007**: *Swedish Association of Architects (Stockholm)* **2006**: *Visual Forum (Gothenburg)* **2005**: *Stockholm City Council*, *Swedish Association of Architects (Stockholm)*, *Dorkbot\_STHLM*, *CRAC*, *Design på Gång*, *Kulturhuset (Stockholm)*

**PRACTICE**

2010 –

**White Arkitekter**, Head of Dsearch digital design development

**Strategic development, selected**: computational design in practice, Dsearch team leader, Steering group member White Research Lab, Co-developer White Strategy for Digital Design Methodology (2012-2016), Facilitator of Digital Design Strategies workshop, 2011 and 2012, Informed Design, a R&D project with support from ARQ **Selected Projects**: *EcoCanopy Ebbe Park* (Linköping, with Str.ucture), *Barkaby Tube Station* (Stockholm), *Humanistiska Teatern* (Uppsala), *Magelungen Park Bridge* (Stockholm), *Slussen* (Stockholm), *Uarda* (Stockholm), *Park 1* (Stockholm, with AKTII), *Quality Hotel Globe* (Stockholm), *Koggens grand* (Malmö), *Forumtorget* (Uppsala).

2007

**Greg Lynn Form**, participating architect, Los Angeles

2000 – 2010

**Scheiwiller Svensson Arkitektkontor**

**Strategic development, selected**: Director of Research&Development (2009 – 2010), Advisor for industrial development project for Vägverket, Industrial system architect SKANSKA Teknik, Director of digital development studio ssark medialab (2001 – 2010), Developer Streaming Architecture Projective Space (with Splintermind). **Selected Projects**: *Vällingby* (2004), *Dramatiska Institutet* (2002 – 2003), *Konstfack* (2001 – 2002), *Kista Galleria* student housing and multiplex cinema (2000 – 2002), *Sturegallerian* (2003), *kv. Kölnan* (2002).

1999

**Claes Kock interior design**, digital specialist, Stockholm

1997 – 1999

**Uhlin&Malm Arkitektkontor AB**, intern, Stockholm

1996

**Volvo Car Corporation**, facilities, intern, Göteborg

1989 – 1993

**Semcon Teknikinformation**, Illustrator, Göteborg**PRIVATELY COMMISSIONED DESIGN WORK**

2007

Advising architect in the *Spelar Roll* exhibition at **Forum för Levande Historia**, Stockholm*Gotland Arena* Endrebacke Ideella förening, Gotland, Building Concept, with **YAJ Arkitekter** and **AKT Engineers**

2005

*Vems Röst? Vilken Musik?*, **Musikmuseet**, Stockholm, film production for exhibition

2000 – 2004

Commissioned by **Servo**: *Urbantoys v.2*, (with **Krets** 2003), *Lattice Archipelogics*, (2002), *Urbantoys* (2000)

2003 – 2009

*Show Unit, Riksutställningar*, Stockholm, design of mobile space for video art screening

2003

*ReApproaching new Media 1 (RAM1)*, **CRAC** printed publication and web production*Show Unit, Riksutställningar*, Stockholm, design of mobile space for video art screening

1999

Hyperfolder, web production for printed publication

1995

Folder, co-founder of conceptual publication, Göteborg

1989 – 1996

Freelance airbrush illustrator

**SELECTED EXHIBITIONS**

2016

*Sensing Energy*, presenting the *Design for an Energy Efficient Campus Life in Albano* research project, **KTH**, Stockholm

2011

*Scholarship Exhibition*, **The Royal Swedish Academy of Fine Arts**, Stockholm

2009

*Bioinspired Forum*, student work from AA DIP16, Simrishamn

2008

*Fokus Kina / Show Unit, Östasiatiska museet*, Stockholm

2007

*Ben van Berkel and the Theatre of Immanence*, featuring *SplineGraft*, exhibition at **Portikus**, Frankfurt

2006

*Open House – Intelligent Living by Design*, *SplineGraft*, traveling exhibition organized by **Vitra Design Stiftung***AKAD at Lunds Konsthall*, complete research of **Krets**

2005

*Onedotzero\_stockholm*, **Moderna museet** *Urbantoys v.2*, with **Krets** for **Servo**

2004

*Art.Platform*, Stockholm, SAPS.02 with **ssark medialab** and **Splintermind***Stockholm Arts+Science 2004*, **PARCEL**, with **Krets** in affiliation to **AKAD**...without borders, t-shirt design exhibition part of Tokyo style, presented at **Konstfack**

2003

*Reshape, Iaspis* sideshow at **Venice Biennale 2003**, Urbantoys v.2, with Krets for Servo

2002

*Lattice Archipelogs, Latent Utopias, Steirischer Herbst, Landesmuseum Joanneum*, Graz, for Servo

2000

*Ung Svensk Form*, Malmö-Stockholm-Göteborg-London, diploma thesis **KTH-A**, selected in competition

*Urbantoys*, Crac, **Liljevalchs**, Stockholm, for Servo

1996

*Folder, Göteborgs museum*, Kulturhatta anniversary exhibition, organizer and participant

*POP, Fryshuset*, Göteborg, group art exhibition

1994

*Fin de Siecle, Stora Teatern*, Göteborg, group exhibition

## MEMBERSHIPS

Board member of *Bygginnovationen, Vinnova* (2016 - 2018)

Reference group member **ICT-BIM**, strategic research and innovationagenda, **IQ Samhällsbyggnad** (2013)

Member of **OCEAN Design Research Association** (2013 - )

Nomination committee, **Arkus** (2010 - 2017)

Reference group member **Innovativ Kultur** (2010 - 2012)

Board member **KTH FIND** (2009 - 2011)

Board member of **Stockholms Arkitektförening**, the local branch of **Swedish Association of Architects** (2008 - 2012)

On editorial board **Riksställningar** global perspectives (2008)

Affiliated member of **Urban Future Organization** (2008 - )

Member of **Architectural Association**, London (2008 - )

Member of the *Online Group* of the *Space of Communication* project at the **Städelschule**, Frankfurt (2006 - 2007)

Member of the editorial board for journal **RUM** (2006 - 2007)

Board member **Creative Room for Art and Computing (CRAC)** (2003 - 2008)

Member of **Swedish Association of Architects** (1993 -)

## GRANTS AND AWARDS

2018

*Would Wood, Vinnova*, stage 2 of Challenge-driven Innovation grant, Chalmers ACE/White arkitekter

*Humanistiska Teatern, Plåtpriset and Aluminiumpriset Design S*, Dsearch, White arkitekter

2017

**ARQ stiftelsen för arkitekturforskning**, research grant *Additive Manufacturing in Timber*

2015

*Would Wood, Vinnova*, stage 1 of Challenge-driven Innovation, KTH/White representative

+ *Project Sliperiet – 3d-printing in Timber, Umeå University*, industry representative (White arkitekter)

**EU Marie Curie, Innochain**, industrial partner in grant for research school, Innovation Training Network, Dsearch / White Arkitekter

2014

**ARQ stiftelsen för arkitekturforskning**, research grant *Informed Digital Design*

2013

**Energimyndigheten**, *Design for an Energy Efficient Campus Life in Albano*, research grant, co-applicant

**Formas Open Call, Concrete Performance**, research grant, co-applicant

2011

**Forumtorget**, Uppsala, competition 1st prize, White Arkitekter

**ARQ stiftelsen för arkitekturforskning**, research grant *Digital Design Strategies*

2008

**Swedish Research Council, Architectural Operating Systems - Prototypes for Performative Design**, affiliate applicant

2006

**ARQ stiftelsen för arkitekturforskning**, travel grant

**Helge Ax:son Johnsons stiftelse**, project grant

2005

**Skapande Människa**, Award and grant

2005 – 2009

**LE Lundbergs stipendiestiftelse**, 4-year research grant

2004

**Byggekostnadsforum**, research grant

**Konstakademien Ulrika Rosencrantz stipendium**

2003

**Arkus** research grant

2000

*Outstanding Studio Teaching Award, World Millenium Design Competition*, Seoul, Korea

1999

**Ernst Hawermans stipendiefond**

## EDUCATION

2014

*Research Supervision, KTH*, Stockholm

2005 - 2012

*Licentiate and Doctorate of Engineering, KTH*, Stockholm

2008

*Pedagogy for architectural education, KTH Learning Lab*

2004

*Master of Architecture, KTH-A*, Stockholm

1998 – 2000

**KTH-A**, Electable studios, Stockholm

1997 – 1998

**The Bartlett School of Architecture, UCL**, London

1993 – 1996

Year 1 - 3, **Chalmers School of Architecture (CTH)**, Gothenburg

1992 – 1993

*History and Theory of Art and Architecture*  
**University of Gothenburg**

1985 – 1989

*Technical Gymnasium, El/Tele, Lars Kaggskolan*, Kalmar

## MILITARY SERVICE

1990 – 1991

*Amfibiebataljon, Kustartilleriet, KA1 + KA2*

## LANGUAGE

*Swedish* native, *English* fluent, *German* basic

## SOFTWARE SKILLS

Microstation, 3dstudio max, Maya, Rhinoceros, Grasshopper, GenerativeComponents, FormZ, Virtools, Photoshop, Illustrator, Image Ready, After Effects, Premiere, Encore, Captivate, InDesign, Pagemaker, Word, Dreamweaver, Flash, Html, CSS

## OTHER

B-class Driver's license, References given on request