



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 Department of Architecture**
University Lecturer, **KTH School of Architecture**

RESEARCH & DEVELOPMENT

2017

Nordic Association of Architectural Research, peer-reviewer

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**

Review board member at **Innovativ Kultur**

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**

Final seminar licentiate thesis, external reviewer
Michael Speaks, Dean **Kentucky University**

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 volymentelement 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

2017

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

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

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

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

2015

Harnessing the Informal Processes around the Computational Design Model, co-authored peer-reviewed paper 1st 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**

Fabriksbyggt, 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)

2000 – 2016

KTH School of Architecture (KTH-A), Stockholm

- *Diploma Studio 9* (2013 – 2016)
- *Elective Seminar Digital Crafting* (2013)
- *Architecture Technology Research Studio*, (2010 – 2013)
- *Façade Articulations*, workshop leader, Sustainable Design Studio (2012)
- Academic Coordinator *Digital Fabrication Lab* (2012 –)
- External jury member *diploma reviews* (2010)
- Visiting critic in 1st and 4th 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, 2nd, 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 – 2017

Chalmers Architecture - Vision & Instrument (Gothenburg 2017), *LTH School of Architecture (Lund 2014 - 2016)*, *KTH School of Technology and Health (Stockholm 2014 - 2016)*, *KTH Project Communication (Stockholm*

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

Lectures in Practice 2005 - 2017

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: *ÅWL 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)

EMPLOYMENT

2010 –

White Arkitekter, Head of Dsearch digital design development

- Strategic development of computational design in practice, team leader
- Steering group member *White Research Lab*
- Computational design coordination and development for *Barkaby Tube Station* (Stockholm), *Humanistiska Teatern* (Uppsala), *NCC HQ* (Sollentuna), *Slussen*, Stockholm, *Uarda*, Stockholm, *Park 1*, Stockholm (with AdamsKaraTaylor Engineers), *Quality Hotel Globe*, Stockholm, *Koggens gränd*, Malmö, *Serlachius Museum*, Finland (competition), *Forumtorget*, Uppsala (competition 1st prize, prototype development)
- Co-chairing *Dsearch ShopTalks* (2013-2016)
- 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
- *Digital Design Strategies*, a R&D project with support from ARQ
- Presentations at White Stockholm, Gothenburg, Malmö, Halmstad, Västerås, Linköping, Örebro and Uppsala
- Co-editor of newsletter *Dsearch Quarterly* (2011-2017)

2007

Greg Lynn Form, participating architect, Los Angeles

2000 – 2010

Scheiwiller Svensson Arkitektkontor (SSARK)

- 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* (SAPS), with **Splintermind**
- Participating architect: *Vällingby* (2004), *Dramatiska Institutet* (2002 – 2003), *Konstfack* (2001 – 2002), *Kista Galleria* with student housing and multiplex cinema (2000 – 2002)
- Competitions: *Sturegallerian* (2003), *kv. Kölnan* (2002)

1999

Claes Kock interior design, digital specialist, Stockholm

1997 – 1999

Uhlen&Malm Arkitektkontor AB, intern, Stockholm

1996

Volvo Car Corporation, facilities, intern, Göteborg

1989 – 1993

Semcon Teknikinformation, Illustrator, Göteborg

COMMISSIONED DESIGN WORK

2009

Show Unit sign design, **Riksställningar**, Gotland

2008

Show Unit 2, **Riksställningar**, Gotland, re-design

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*, 2003, Krets for **Servo**
- *Lattice Archipelogs*, 2002
- *Urbantoys*, 2000

2003

ReApproaching new Media 1 (RAM1), **CRAC** printed publication and web production

Show Unit, **Riksställningar**, 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

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**

Show Unit, mobile video art space, **Riksställningar**

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

*Urbantoy*s, Crac, **Liljevalchs**, Stockholm, for Servo

Bigga Grejer, diploma show, **KTH-A, Museum of Architecture**, Stockholm, student exhibition

1999

Underjorden – Överjorden, **Museum of Architecture**, Stockholm, student exhibition

1996

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

POP, Fryshuset, Göteborg, group exhibition

1994

Fin de Siecle, Stora Teatern, Göteborg, group exhibition

MEMBERSHIPS

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

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)

Member of the editorial board for **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

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

2012

Doctorate of Engineering, **KTH**, Stockholm

2008

Licentiate of Engineering, **KTH-A**, Stockholm

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, Vrttools, 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