



## JONAS RUNBERGER

Born 1969, he/him,  
Based in Stockholm, Sweden  
Architect, Researcher, Educator,  
Developer  
M.Arch. SAR/MSA, Lic.Eng. PhD

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### PROFILE

*I am an architect, researcher, educator, and computational design developer with long experience in architectural practice, and academic teaching and research. I create synergies between practice, research, digitalisation, and business development using computation as a creative and critical asset.*

*I have taught architectural design and computational development at Bachelor and Master Levels in Sweden and Internationally since 2000. I have led several research and innovation projects and I frequently lecture, publish in scientific and popular media, and act as reviewer of applications and publications.*

*As an architectural practitioner I have often facilitated and led innovation processes in architectural commissions, where computation improves and informs processes and has a profound effect on the design outcome. I often work in interdisciplinary collaborations, and my design projects have ranged from interior, to architectural, infrastructural, landscape and urban scales.*

*My management and leadership responsibilities have included staff and budget, subjects and research areas, teaching team leadership, design and development lead in projects, and competence network lead in practice.*

### CURRICULUM VITAE OVERVIEW

#### ACADEMIC EMPLOYMENT

2016 – 2023 | Chalmers ACE, Artistic Professor, Gothenburg, part time  
2014 – 2017 | KTH School of Architecture, Adjunct Professor (White Arkitekter), Stockholm, part time  
2012 – 2020 | KTH School of Architecture, Lecturer (Adjunkt), Stockholm, part time  
2008 – 2010 | Architectural Association School of Architecture, Unit Master, London, part time  
2008 – 2009 | London Metropolitan University School of Architecture, Lecturer, London, part time  
2008 – 2012 | KTH ABE / Project Communication, Doctoral candidate, part time  
2000 – 2012 | KTH School of Architecture, Guest Teacher, intermittently, Stockholm, part time  
2001 | ETZ Zürich Department of Architecture, Assistant, Zürich, part time

#### EMPLOYMENT IN PRACTICE

2010 – 2024 | White Arkitekter, architect, Head of Dsearch, Partner, central employment, part time  
2007 | Greg Lynn Form, architect, Los Angeles, project employment  
2000 – 2010 | Scheiwiller Svensson Arkitektkontor, architect, Stockholm, part time  
1999 | Claes Kock Interior Design, digital specialist, Stockholm, project employment  
1997 – 1999 | Uhlin&Malm, intern, Stockholm  
1996 | Volvo Car Corporation, facilities, intern, Gothenburg  
1989 – 1993 | Semcon Teknikinformation, technical illustrator, Gothenburg

#### DEGREES

2012 | Doctor of Engineering in Architecture, KTH, Stockholm  
2008 | Licentiate of Engineering in Architecture, KTH School of Architecture, Stockholm  
2004 | Master of Architecture, KTH School of Architecture, Stockholm

#### PUBLICATION

Peer-reviewed academic articles and papers: 17  
Popular articles: 18  
Books and book chapters: 9  
Research Reports: 7

#### DESIGN AND DEVELOPMENT MERITS

Design / Development Project (Co-)Lead: 27  
Design Project Participation or Advisory: 8  
Competition Lead or Participation: 9  
Design and Competition Awards: 5  
Design Exhibitions: 25

#### TEACHING AND RESEARCH MERITS

Courses at Candidate and Master Levels: 19  
Licentiate and PhD Supervision: 6  
Master Thesis Supervision: 111  
Workshops and Seminars Lead: 11  
Research Projects with Lead Role: 8  
Research Projects with Participatory Role: 7  
Research Projects with Advisor Role: 4  
Research Grants and Scholarships: 19  
Research/Innovation Call Assessor: 20  
Research Publication Peer-Reviewer: 17  
Program, Recruitment or Promotion Reviewer: 8  
PhD Defence Oppositions: 3

#### OTHER

Public and Academic Lectures: 101  
Board Memberships: 6  
Swedish: Native  
English: Fluent  
German: Basic

## CURRICULUM VITAE DETAILS

### EMPLOYMENT AND KEY ROLES

2010 – 2024 | White Arkitekter, Head of Dsearch, Partner, R&D Board Member and Network Leader, Service Owner, Team Manager, Project Design and Development Leader, central employment, part time

2016 – 2023 | Chalmers ACE, Artistic Professor in Digital Design in Architecture, Lead of Architecture & Computation Research Group, Lead of Architectural & Structural Design Research Area of the Digital Twins Cities Centre, Master Thesis Report Supervisor, Gothenburg, part time

2014 – 2017 | KTH School of Architecture, Adjunct Professor (White Arkitekter), Research Project Lead, Architectural Technology Assessment Lead, Stockholm, part time

2012 – 2020 | KTH School of Architecture, Lecturer (Adjunkt), Design Studio Lead, Academic Lead of Digital Fabrication Lab, Stockholm, part time

2008 – 2010 | Architectural Association School of Architecture, Unit Master and Design Tutor, London, part time

2008 – 2009 | London Metropolitan University School of Architecture, Lecturer and Design Tutor, London, part time

2007 | Greg Lynn Form, architect, Los Angeles, US, project employment for competition

2000 – 2012 | KTH School of Architecture, Guest Teacher, intermittently, Tutor Candidate and Master Level, Stockholm, part time

2001 | ETZ Zürich Department of Architecture, Assistant, with Prof. Greg Lynn, Zürich, 6-months

2000 – 2010 | Scheiwiller Svensson Arkitektkontor, architect, Director of ssark medialab (2001 – 2010), Director of R&D (2009 – 2010), part time

1999 | Claes Kock Interior Design, digital specialist for visualisation, Stockholm, project employment

1997 – 1999 | Uhlin&Malm, architectural intern, Stockholm

1996 | Volvo Car Corporation, facilities, building adaptation intern, Gothenburg

1989 – 1993 | Semcon Teknikinformation, technical illustrator, Head of Atelier, Gothenburg

### EDUCATION & TRAINING

2020 | ABK Advanced Course, White Arkitekter

2020 | ABK Basic Course, White Arkitekter

2019 | Leadership 2, White Arkitekter

2018 | Forum for Research Group Leaders, Chalmers

2017 | Mentorship Training, White Arkitekter

2014 | Research Supervision, KTH, Stockholm

2008 – 2012 | Doctoral Candidate, KTH INDEK / BYFA / Project Communication, KTH, Stockholm, part time

2005 – 2008 | Licentiate Candidate, KTH School of Architecture, Stockholm, part time

2008 | Pedagogy for architectural education, KTH Learning Lab, Stockholm

1998 – 2000 | Electable Design Studios and Thesis, KTH School of Architecture, Stockholm

1997 – 1998 | Xchange Year, The Bartlett School of Architecture, UCL, London

1993 – 1996 | Year 1 - 3, Chalmers School of Architecture, Gothenburg

1992 – 1993 | History and Theory of Art and Architecture, University of Gothenburg

1985 – 1999 | Technical 4-Year Gymnasium, El/Tele, Lars Kaggskolan, Kalmar

### SELECTED ARCHITECTURE / DESIGN PROJECTS

*Design or Project Lead refers to lead of design process. Development Lead refers to lead of computational method development process.*

Kungliga Operan, visualisation of alternate transformation proposal, Project Lead, private practice, Stockholm 2024

Forumtorget AMP, extensions to Forumtorget, Design Lead, White Arkitekter, Uppsala 2023

Spekulationszon, Konst på Byggplats, collaborative art project, Trafikverket, White Arkitekter, Varberg 2022

Umeå Bridges, concept design for four bridges, Design and Development Lead, White Arkitekter, Umeå kommun, 2021

Barkaby Subway Art, Development Lead, White Arkitekter, Stockholm, 2021 – 2024

Sundsvallsbron Suicide Protection, Design and Development Lead, Trafikverket, White Arkitekter, Sundsvall, 2020 – 2022

Sediment, translation of art for production, Development Lead, Public Art Agency Sweden /Johannes Heldén, White Arkitekter, Luleå, 2021.

Harry Hjörnes plats, concept design for public furniture, Design and Development Lead, Trafikkontoret Göteborg, White Arkitekter, 2020 – 2021

GoDown Facades, facade design, Development Lead, GoDown, White Arkitekter, Nairobi, 2019

Årstafältet Mass Management, Development Lead, Stockholms stad, White Arkitekter, Stockholm, 2019

Forumtorget, 60-meter public bench, Design and Development Lead, Uppsala Municipality, White Arkitekter, Uppsala, 2018

EcoCanopy, environmental design concept, Design and Development Lead, White Arkitekter, Linköping, 2018

Humanistiska Teatern, Art for facade project, Development Lead, Public Art Agency Sweden, White Arkitekter, Uppsala, 2017

Magelungen Park Bridge, pedestrian timber bridge, Design and Development Lead, Exploateringskontoret, White Arkitekter, Stockholm, 2017 - 2019

Woodland Table, furniture prototype, Design and Development Lead, Sveriges Arkitekter, White Arkitekter, Stockholm, 2017

Slussen Furniture, design study for Slussen landscape project, White Arkitekter, Stockholm, 2017

Barkaby subway station, ceiling concept, Development Lead, Stockholms Stad, White Arkitekter, Stockholm, 2016.

Kv Uarda Facades, Facade screen development, Developer, Fabège, White Arkitekter, Solna, 2014

Quality Globe Hotel, hotel transformation, Co-development Lead, Arcona, White Arkitekter, Stockholm, 2014

Park1, building design and complex façade development, Developer, Stockholms Fastighetskontor, White Arkitekter, Stockholm, 2012-2013,

Wallenbergsalen, Interior transformation, Development Lead, IVA, White Arkitekter, Stockholm, 2012

Brovaktarparken, landscape design, Development Lead, Stockholms stad/ NOD C-O-M-B-I-N-E, White Arkitekter, Stockholm, 2011

Koggens gränd, Window screens and fences, Developer, White Arkitekter, Malmö, 2011

Tele2 Arena, sports arena, Advisor on Design methods, Stockholms Stad, White Arkitekter, Stockholm, 2010

Spelar Roll. Exhibition Design. Architectural advisor. Private practice. Forum för Levande Historia, Stockholm, 2007

Gotland Arena, Concept designer, Gotland Arena Endrebacke Ideella förening, Yaj Arkitekter, 2007

Vems Röst? Vilken Musik?, Films design and production, Musikmuseet, Private practice, Stockholm, 2005

ShowUnit, Furniture for art video screening, Designer, Private practice, Riksställningar, 2003

Urbantoy v.2, design team member, Servo+Krets, 2003

Lattice Archipelogs, design team member, Servo, 2002

Urbantoy, design team member, Servo, 2000

Dramatiska Institutet, building design, Participating architect, DI, Scheiwiller Svensson Arkitekter, Stockholm, 2003

Kista galleria, Participating architect, Kista Galleria, Scheiwiller Svensson Arkitekter, Stockholm, 2000

ReApproaching new Media 1 (RAM1), graphic design for publication and web, Creative Room for Art and Computing, 2003

Hyperfolder, web production for printed publication, private practice, 1999

Folder, co-founder of conceptual publication, private practice, 1995

Airbrush Illustrator, private practice, 1989 – 1996

### ARCHITECTURAL AND ART COMPETITIONS

Karstadt am Hermannplatz, competition, 2nd place, reuse development lead, White Arkitekter, Berlin, 2022

Spekulationszon, art competition 1<sup>st</sup> place, Konst på Byggplats, design co-lead, Trafikverket, White Arkitekter, Varberg, 2022

Kv Ankan, architectural competition 2<sup>nd</sup> place, advisor, White Arkitekter, Norrköping, 2022

Robertsfors Land Bridge, competition invited after PQ, design and development lead, Trafikverket, White Arkitekter, Robertsfors, 2022

The Alby-Tyresta Pedestrian Bridge, competition 3rd place, Design and Development Lead, White Arkitekter, Stockholm, 2019

Fjätervålen Timber Bridge, part of competition, Design and Development, Serneke Projektstyrning, White Arkitekter, Fjätervålen, 2018.

Örebro Water Tower, competition, Co-Design and Development Lead, Örebro Municipality, White Arkitekter, Örebro, 2016

Sheaf Shack, competition Toronto Winter Stations, Co-design and Development Lead, City Counsellor, White Arkitekter, Toronto, 2016

Preston Youth Centre, competition, Structural Development, Preston City Council, White Arkitekter, Preston UK, 2015

Forumtorget, competition 1st place, Design and Development Lead, Uppsala Municipality, White Arkitekter, Uppsala, 2011

## ACADEMIC TEACHING

2021 | EcoCanopy Design Studio. Master level Design Studio. External Supervisor. Universität Kassel

2016 – 2021 | Material & Detail Design Studio. Master level Design Studio. Course developer, co-supervisor and internal critic, Chalmers ACE

2016 – 2022 | Material Turn Master Thesis Studio. Master Thesis Studio, primarily running in the spring semester, Co-supervisor and responsible for the written reports Chalmers ACE

2016 – 2017 | Textile Hybrids. Master class on architectural and structural design collaboration. Visiting teacher. Hafencity University Hamburg

2010 – 2016 | Studio 9 Design and Thesis Studio. Master level full year design studio, Co-founder of studio, course developer, examiner, coordinator, co-tutor, KTH School of Architecture

2013 | A Showroom for Digital Crafting – A Cabinet of Curiosities. Elective Master level seminar, Course developer, coordinator and tutor, KTH School of Architecture

2010 – 2013 | Project Communication. Architectural Concepts. Master level course introducing architectural design concepts to Project Management Master-students, Course developer, coordinator, and tutor, KTH School of Industrial Engineering and Management (ITM) / KTH School of Architecture and the Built Environment (ABE)

2009 | IT-Management. Master level course on management of IT in organisations, Course coordinator and tutor, KTH School of Industrial Engineering and Management (ITM)

2008 – 2010 | Diploma Unit 16, Diploma level design studio, Unit Master, co-course developer, co-coordinator, co-tutor, Architectural Association School of Architecture (AA, London)

2008 – 2009 | MA Architecture & Digital Design Systems (MA ADDS), Master Program, Co-course developer/co-tutor, London Metropolitan University

2006 – 2007 | Architecture. InFormation Design Studio, Master level 1 semester Architectural Design Studio, Course developer, coordinator and tutor, KTH School of Architecture

2005 – 2006 | Informed Modularity Studio, Master level 1 semester Architectural Design Studio, Course developer, coordinator and tutor, KTH School of Architecture

2003 – 2004 | STHLM randzon. 3rd year full year Architectural Design Studio, Assisting teacher, course developer for 5-week workshop, KTH School of Architecture

2001 – 2002 | Urban Curating, Master level full year Architectural Design Studio, Co-tutor, KTH School of Architecture

2002 | POP – Project or Proposal, Electable summer course, Course developer and coordinator, co-tutor, KTH School of Architecture

2001 | NON – Navigation, Organisation, Narrative, Master level orientation course in Architecture, Course developer, coordinator and co-tutor, KTH School of Architecture

2000 – 2002 | Communicative Spaces, Master level 1 semester design course, Course developer, coordinator and co-tutor, KTH Information Technology

2001 | Machinic Processes in Architectural Design, Master level electable course, Assisting teacher under Professor Greg Lynn, ETHZ Architecture, Zürich

2000 | Hypersketch 2. Master level summer course, Course developer, co-tutor, KTH School of Architecture

2000 | Hypersketch, Master level 1 semester Architectural Design Studio, Course developer and co-tutor, KTH School of Architecture

## PHD & LICENTIATE SUPERVISION

Karin Hedlund. The Swedish School of Textiles, University of Borås. Admitted 2021. PhD. Expected completion 2025. Secondary advisor

Annie-Locke Scherer. KTH School of Architecture. Admitted 2016. PhD awarded in 2021. Secondary advisor

Tom Svilans. CITA/KADK Copenhagen. Admitted 2016. PhD awarded in 2020. Industry advisor via White Arkitekter

Sareh Saeidi. AHO Oslo. Admitted 2014. PhD Awarded in 2020. External advisor limited time at end of thesis

Frans Magnusson. Chalmers ACE. Admitted 2013. Licentiate awarded in 2017. Secondary advisor

Mania Aghaei Meibodi. KTH School of Architecture. Admitted 2013. PhD awarded in 2016. Secondary advisor

## MASTER THESIS SUPERVISION

2017 – 2022 | Chalmers ACE, Material Turn Master Thesis Direction, supervision of 88 students

2007 – 2016 | KTH School of Architecture, Design Studio 9 and other contexts, supervision of 18 students

2010 – 2012 | LTH School of Architecture, external supervision of 2 students



2009 – 2012 | AA School of Architecture, supervision of 3 diploma students

### SELECTED RESEARCH PROJECTS

2022 – 2024 | Bygga Broar, bridge design methodologies, White Research Lab

2021 – 2023 | Hybrid Composites, Project Leader, Formas

2021 – 2022 | Bortom Köket, design researcher, Arkus

2021 – 2023 | Design + Data, Milestone project within Chalmers ACE DTCC, Project Lead

2020 – 2021 | InnoCrossLam, industry advisor, VInnova

2018 – 2019 | Would Wood II, Vinnova funded research in additive manufacturing in timber, WP Leader Design

2017 - 2020 | Beyond Efficiency, Chalmers ACE/KTH/SLU, Design Researcher, Swedish Energy Agency

2017 - 2022 | Interstitial Towers, Chalmers ACE/White Arkitekter, Design Researcher, Swedish Energy Agency

2016 – 2023 | Additive Manufacturing in Timber, Project Lead, ARQ

2016 – 2019 | InnoChain ETN Network, CITA, industry representative (White arkitekter), EU Horizon 2020

2015 – 2018 | + Project Sliperiet, 3d-printing in Timber, Umeå University, industry representative via White arkitekter, Tillväxtverket

2015 | Would Wood I, Vinnova funded research in additive manufacturing in timber

2014 – 2023 | Informed Design, Project Lead, ARQ

2014 – 2016 | Sensing Energy / Design for an Energy Efficient Campus Life in Albano, KTH School of Computer Science and Communication/Green Leap, Design Researcher, Swedish Energy Agency

2013 – 2021 | Concrete Performance, co-applicant and PhD 2nd advisor, Formas

2006 | SplineGraft, Research-by-design prototype, Co-Design and Co-Development, Krets, Vitra Design Stiftung | Bostäder byggda med volymelement i Sverige, Survey on volumetric housing, Boverket (at SSARK)

2003 | PARCEL, Research-by-design prototype, Co-Design and Co-Development, Krets, AKAD

2003 | Urbantoys v.2, research-by-design prototype, Krets for Servo

2001 | Urbantoys, research-by-design prototype, for Servo

### RESEARCH AND INNOVATION COMMISSIONS

2024 | Formas / Smart Built Environment, Digital built environment in practice, Assessor | Swedish Energy Agency, Design för energieffektiv vardag, Assessor

2023 – 2024 | Recruitment board member of Professor in Augmented Computational Design, Aalto University | Formas / Smart Built Environment, Assessor and Innovation Coach (3 calls)

2022 – | Chalmers ACE, Educational Program Council Internal/External Member

2022 | Högskolan i Kristianstad promotion to Docent, external reviewer | Swedish Energy Agency, E2B2, Assessor | UIA World Congress of Architects 2023, peer-reviewer (5 articles)

2021 | NTNU, lecturer application process, external reviewer | LTH, process for new international MSc program in Architecture and Digital process, external reviewer

2019 – 2020 | Research Area Lead at Digital Twins Cities Centre, Architectural and Structural Design, Chalmers ACE

2019 – 2020 | Vinnova, Assessor for SME Innovation Applications (2 calls)

2018 | AHO, Oslo, Promotion Committee member | RMIT, Melbourne, PhD Examiner, PhD by Practice (2 candidates) | AAG2018, conference Chalmers ACE, Workshop Chair/Coordinator

2017 – 2022 | Research Group Leader, Architecture & Computation, Chalmers ACE

2017 | AHO, PhD Viva, 2nd opponent

2017 – 2022 | Nordic Journal of Architectural Research, peer-reviewer (6 articles)

2016 – 2018 | Bygginnovationen, Board Member and Assessor (12 calls)

2015 | Design Modelling Symposium 2015, peer-reviewer (5 articles) | Chalmers School of Architecture, External Assessor for Lecturer position in Computational Design

2014 – 2016 | Chalmers School of Architecture, Chair in Candidate Reviews

2014 | Journal of Space Syntax, Vol 5, Issue 1, peer-reviewer | Smart Built Environment, Strategic Innovation Program, IQ Samhällsbyggnad, external reviewer of application | Architectural Technology, survey and report on future teaching models, KTH-A

2012 | Inventory of collaborative models, KTH School of Architecture and the Built Environment, project coordinator | Parametric Patterns, workshop facilitator, VCU Qatar, Doha

2011 | Panel member at event Closing the Material Gap – Behave!, Svensk Form/Bioinspired Forum, Stockholm

2010 – 2012 | SmartGeometry, External Reviewer

2010 | Moderator and advisor on symposium Contemporary Practice, Beyond the Crisis, KTH School of Architecture

2009 | Digital Fabrication, seminar KTH FIND, KTH ITM | Facilitator GenerativeComponents workshop, KTH ITM/SmartGeometry Group/Bentley Systems

2008 – 2009 | Facilitator of seminar series on digital design tools in practice with international guests and Swedish practitioners (3 seminars)

2008 | Research exchange with AA School of Architecture, Diploma Unit 16, London | London Metropolitan University, MA Architecture & Digital Design Systems, invited critic | School of Architecture at Lunds Tekniska Högskola, Invited diploma thesis critic and supervisor | 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 | London Metropolitan University, MA Architecture & Digital Design Systems, invited critic | SCI-Arc, Los Angeles, 2GBX, invited critic | Woodbury University, Los Angeles, invited critic

2006 | Member of the Online Group of the Space of Communication project at the Städelshule, Frankfurt

2006 – 2008 | External examiner for MA Architecture & Digital Design Systems at London Metropolitan University

2006 | 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 | 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 – 2007 | Partner of KRETS, design-based research collective

2003 | Info\_liations / Ex\_foliations, visiting fellow at SIAL (RMIT), Melbourne, Australia | Prototypes for Performative Design, public seminar, Krets, KTH School of Architecture

2002 | Annual conference, Nordic Journal of Architectural Research, Islands for Architectural Research, invited workshop leader of Progressive Practice workshop

## PUBLICATIONS

### PEER-REVIEWED PUBLICATIONS

- Runberger, J. Elbrashi, H. 2024. 'Innovation under Duress: Strategies for Computational Design Development within the Constraints of Architectural Commissions.' Conference paper in Design Modelling Symposium Kassel 2024, publication pending
- Johansson, N. Nordström, L. Runberger, J. Sehström, A. 2023. The Sheaf: Expressive Geometry Through Collaborative Computational Design and Low-Tech Construction Methods. IABSE Congress New Delhi 2023: Engineering for Sustainable Development
- Runberger, J. Ondejcik, V. Elbrashi, H. 2022. 'Design from Finite Material Libraries: Enabling Project-Confinned Re-Use in Architectural Design and Construction through Computational Design Systems.' In: Gengnagel, C. Baverel, O. Betti, G. Popescu, M. Ramsgaard Thomsen, M. Wurm, J. (Eds.): Towards Radical Regeneration: Proceedings of the Design Modelling Symposium, Berlin 2022. Springer International Publishing
- Runberger, J. Ondejcik, V. 2018. 'Graphical Control in Computational Design.' Poster presented at the Advances in Architectural Geometry conference, Chalmers ACE
- Runberger, J. Ondejcik, V. Svilans, T. 2018. 'Early Stage Material Performance Modelling.' Poster presented at the Advances in Architectural Geometry conference, Chalmers ACE
- Dellson, O. Magnusson, F. Runberger, J. 2018. 'Geodesic Lattices for Urban Greenery.' Poster presented at the Advances in Architectural Geometry conference, Chalmers ACE
- Lienhard, J. Bergmann, C. Magna, R. Runberger, J. 2017. 'A Collaborative Model for the Design and Engineering of a Textile Hybrid Structure.' Paper presented and published in the IASS annual symposia IASS 2017 Hamburg Symposium: Active Bending Structures, International Association for Shell and Spatial Structures (IASS)
- Magnusson, F. Runberger, J. 2017. 'Design System Assemblages - the continuous curation of Design Computation Processes in Architectural Practice.' Paper presentation at the Professional Practices in the Built Environment conference at Reading University (in Association with Arena and The Edge), part of the AHRC funded Evidencing and Communicating the Value of Architects project
- Magnusson, F. Runberger, J. Zboinska, M. Ondejcik, V. 2017. 'Morphology & Development - knowledge management in architectural design computation practice.' Conference paper presented at the eCAADe 2017 Shock conference
- Runberger, J. Lienhard, J. 2017. 'Collaborative Models for Design Computation and Form Finding.' In: de Rycke, K. Gengnagel, C. Baverel, O. Burry, J. Mueller, C. Nguyen, M.M. Rahm, P. Thomsen, M.R. (Eds.). Humanizing Digital Reality, Springer International Publishing

Runberger, J. Magnusson, F. 2015. 'Harnessing the Informal Processes around the Computational Design Model'. In: Thomsen, M. Tamke, M. Gengnagel, C. Faircloth, B. Scheurer, F. (Eds.). *Modelling Behaviour: Design Modelling Symposium 2015*, Springer International Publishing

Lundgren, M. Zinnecker, M. Runberger, J. Grahn, S. 2014. *Daylight autonomy and facade design: From research to practice for the Stockholm SEB Bank head office*. Advanced Building Skins Conference Proceedings of the 9th ENERGY FORUM

Runberger, J. 2010. 'Cognitive Estrangement in Digital Design Practice,' paper presentation and publication in proceedings Kelley, J. (Ed.). *Flip Your Field*, ACSA West Central Fall Conference, Chicago

Runberger, J. 2005. 'Remediation as operation and strategy within architectural design development.' Conference paper. Research Spaces conference. The Bartlett + the Slade. London

Runberger, J. 2005. 'PARCEL – Developing Performative Prototypes in Architectural Design,' conference paper in the Joining Forces conference. UIAH Helsinki

Runberger, J. Benesch, F. 2001. 'Progressive Practice in Architecture,' article in *Nordic Journal of Architectural Research*

Schneider, T. Runberger, J. 2001. 'Hyper:Sketch - Site specific media in architectural design,' paper. Architectural Research and IT conference. Aarhus

## RESEARCH REPORTS

Runberger, J. 2024. *Making Bridges*. WRL Project Report. White Arkitekter

Runberger, J. 2023. *Informed Design with Digital Support in Architecture – Design, Structure and Fabrication*. ARQ Report 14: 2014

Runberger, J. 2023. *Architectural Potentials with Additive Manufacturing in Timber*. ARQ Report 22: 2017

Linde, J. Magnusson, F. Strebeyko, F. Runberger, J. Granath, K. 2023. *Bortom Köket*. Arkus

Runberger, J. Et al. 2020 – 2023. *Annual Global Intelligence Reports on Architecture and Digitalisation*. White Research Lab, White Arkitekter

Runberger, J. 2020. *Would Wood*. Work package 2 research report. Vinnova

Runberger, J. Hedlund, K. 2018. *Frameworks: Establishing the Architecture & Computation Research Group at Chalmers ACE*. Report.

Runberger, J. Miranda, P. Tessmann, O. 2014. *Development Project Architectural Technology*. Report. KTH School of Architecture

Gunterberg, Y. Runberger, J. 2006. *Bostäder byggda med volyemelement*, Boverket

## BOOKS & BOOK CHAPTERS

Nine chapters in: Wang, J. Fauré, E. (Eds.). 2021. *Beyond Efficiency: A speculative design research anthology in which we seek to deconstruct ecomodern imaginaries of urban sustainability through exploring what more just and sustainable living environments could be like*. AADR, Würzburg ('Design-driven explorations are relevant in tackling societal challenges', 'Speculative design explores alternative pasts, presents and futures.', 'Interstitial Spaces', 'Well-Being.', 'Envelopes Doing More.', 'Interstitial Interventions.', 'Interstitial Fictions. 'Revisiting the design

experiments in relation to the design programme.', 'Epilogue.')

Svilans, T. Runberger, J. Strehlke, K. 2020. 'Agency of Material Production Feedback in Architectural Practice.' Chapter in: Sheil, B. Ramsgaard Thomsen, M. Tamke, M. Hanna, S. *Design Transactions: Rethinking Information Modelling for a New Material Age*. UCL Press

Svilans, T. Antemann, M. Ramsgaard Thomsen, M. Tamke, M. Strehlke, K. Runberger, J. 2019. 'New Workflows for Digital Timber.' Chapter in: Bianconi, F. Filippucci, M. (Eds.). *Digital Wood Design: Innovative Techniques of Representation in Architectural Design*. Springer International Publishing

Six chapters (uncredited) in: Zimm, Malin (Ed.). 2019. *Make Sense: Architecture by White*. Laurence King Publishing, London ('Making Sense of Making Sense: Panel Discussion', 'The Forumtorget Bench', 'The Go-Down Arts Museum in Nairobi', 'The Humanities Theatre', 'Birdwatchers' Sheaf Shack', 'Free-form Timber: From design to fabrication', 'Quality Hotel Globen Event Hall')

Runberger, J. 2012. *Arkitekters verktyg: En kritisk diskussion om betydelsen av verktyg i förståelsen och skapandet av arkitektur*. Arkus

Runberger, J. Norell, D. Miranda, P. 2008. 'Krets' in Long, K. *Hatch: The New Architectural Generation*. Laurence King Publishing

Runberger, J. Miranda, P. 2006. 'SplineGraft'. In Seltmann, G. and Lippert, W. (Eds.). *Entry Paradise: New Worlds of Design*. Birkhäuser Architecture

Runberger, J. Miranda, P. 2006. 'SplineGraft'. In Hutt, D. and Jaschko, S. (Ed.). *Open House: Intelligent Living by Design: Architecture and Technology for Intelligent Living*. Exhibition Catalogue. Vitra Design Museum

Runberger, J. Norell, D. Miranda, P. 2005. 'Krets and PARCEL,' in Grillner, K. Glembrandt, P. Wallenstein, S.O. (Eds.). 01.AKAD. AXL Books

## POPULAR PUBLICATIONS

Runberger, J. Elbrashi, H. Ondejcik, V. Nordström, L. 2024. *Project Specific Innovation: Computational Design Development in Architectural Commissions*. white paper. White Research Lab

Runberger, J. Ondejcik, V. Magnusson, F. 2024. *The Forumtorget Bench: Digital and Material Prototyping through Computational Design*. white paper. White Research Lab

Schuur, S. Runberger, J. 2024. *The Quality Hotel Globe Foyer: Computational Design for Bespoke Manufacture and Assembly*. white paper. White Research Lab

Åsberg, M-S. Stampe, V. Bandeira, U. Zimm, M. Runberger, J. 2020. 'Tillfällig arkitektur – ett nytt lager av berättelsen.' Conversation in Brecevic, G. Wik, A. (Eds.). *Levande Bilder Levande Stad*. Film Capitol Stockholm

Runberger, J. Magnusson, F. Zboinska, M. Ondejcik, V. 2018. 'Digitaliseringen kan stödja arkitektens kreativa arbete.' Article in *Arkitekten*. Architects Sweden. January

Runberger, J. 2015. 'Stockholm med nya ögon.' Article in *Samhällsbyggaren*, issue 6

Runberger, J. and Karlsson, U. 2014. 'Parametrisk design: Ett sätt att göra associationer,' article in *Arkitekten*. Architects Sweden. July/August

Runberger, Jonas. 2012. 'Produktiva verktyg.' Column in the Thought of the Month series published on the website for Arkus

Runberger, J. 2010. 'The Future Agency of Digital Design in Architecture,' in Conditions # 4

Runberger, J. 2008. 'Ett klipp i realtid.' Column in journal RUM 10/2008

Runberger, J. 2007. 'Lagens estetik.' review in Rum Journal, issue 6

Runberger, J. and Gunterberg, Y. 2006. Volymelement i bostadsarkitekturen, Arkus

Runberger, J. 2006. 'Medverkande Design.' Article in Andér, B. Brodén, M. Karlsson, H. (Eds.) Skapande Människa 10-year anniversary publication. Stiftelsen Skapande människa

Runberger, J. 2006. 'Mjukvaran leder till framtiden.' Article in Arkitekten, Architects Sweden

Runberger, J. 2003. 'Protocols of Collaboration.' Article in RAM1. Creative Room for Art and Computation. p. A12 – A42, Stockholm

Runberger, J. 2002. 'Architectural Prototypes.' Article in Runberger, Svante (Ed.). Polytechnic Society of Gothenburg Yearbook, Gothenburg

Runberger, J. and Norell, D. 2001. 'Probing the Conjectural.' Article in Trans Magazine, Zurich

## DISSERTATIONS

Runberger, J. 2012. Architectural Prototypes II: Reformations, Speculations and Strategies in the Digital Design Field. Doctoral Thesis. Monograph. KTH

Runberger, J. 2008. Architectural Prototypes: Modes of Design Development and Architectural Practice. Licentiate Dissertation. Monograph. KTH

## OTHER PUBLICATION

'Materialens Digitalisering'. 2023. Guest in the Materialperspektivet podcast

'Forumtorget'. 2023. Dsearch project featured in Italian Interior Design

'Sverige på efterkälken i den globala boomen av 3D-printade hus'. 2023. Interview in ByggIndustrin

'Digital Design Practice'. 2021. Guest in the FuturePerfect Podcast

Runberger, J. 2020. 'Framtiden växer på trä.' Interview in K. Report from Innovationsföretagen

'Alla som vill får sitta'. 2019. Hallemar, D. Forumtorget featured in Arkitektur, no 6

'3D-skrivare spränger arkitekturens gränser'. 2018. Interview in Forskning & Framsteg

'Krets.' Interview in Long, Kieran. 2008. Hatch: the New Architectural Generation, Laurence King

SplineGraft. 2007. Krets project featured in Pasajes Construcción, Spain

SplineGraft. 2007. Krets project featured in Arkitekten, Architects Sweden

SplineGraft. 2007. Krets project featured Form Journal, Germany

SplineGraft. 2007. Krets project featured Space Journal, Korea

Fabriksbygg. 2007. interviewed in journal RUM

## SELECTED LECTURES

### ACADEMIA AND EDUCATION (EXCLUDING TEACHING)

2024 | Design Process Innovation for Timber Architecture, Build in Wood Conference, Copenhagen | Design & Data, DTCC Chalmers | 2023 | Architectural Prototypes I + II, KTH + Konstfack | Research by Design, HDK | 2022 | Digital Design for Reuse, CMB Chalmers | Design & Data, DTCC Lunch Seminar | Generative Design, RISE | 2021 | Digital Materiality, University of Gävle | 2020 – 2022 | Arkitektur – hur blir den i framtiden?, Angereds Gymnasium | 2020 | Additive Manufacturing in Timber, KTH 3dPrint event | 2019 | Digital Timber, AHA-dagarna Chalmers | 2018 | Artec Corporeal – keynote lecture (Zwolle) | Computational Design, CMB Chalmers | Visualisation in Architecture, i12 Visualisation Program | 2017 | Vision & Instrument, Chalmers Architecture | Prototyping and Digital Materiality, Making Effect Seminar, KTH | Informed Design, Forte | 2016 | Additive Manufacturing in Timber, Innventia Annual Seminar | Science Fiction, Chalmers ACE Minisymposium | Digital Materiality, KTH Smart Cities Even | Integrated Research Networks in Practice, AHO Oslo | 2015 | Digital Materiality, KTH Digitalisation Days | 2014 – 2016 | Computational Design, LTH School of Architecture, Lund | Digital Design, KTH School of Technology and Health | 2014 | Architecture & Film, White Days Trollhättan | Shifting Patterns, KTH School of Architecture | 2013 – 2015 | Operative Representation, KTH School of Architecture | 2013 | Architectural Technology, KTH School of Architecture | Architectural Prototypes, KTH Tensta Arkitekturskola | 2012 | Digital Design, Beckman's College of Design | Research by Design, College of Design University of Kentucky | 2011 | Digital Design, Chalmers Architecture | 2010 | Digital Design, VCU Qatar | 2010 – 2016 | Architectural Concepts, KTH Project Communication | 2009 | Architectural Prototypes, AA School of Architecture London | 2008 – 2009 | Architectural Technology, KTH School of Architecture | 2008 | Research by Design, Bauhaus Universität Weimar | Digital Design, University of Trollhättan | 2007 | Operative Representation, KTH School of Architecture | 2006 – 2007 | Digital Design, University of Jönköping | 2006 | Architectural Prototypes, Städelschule Frankfurt | Architectural Prototypes, AA School of Architecture (London) | Research by Design, Metropolis Lab Conference Copenhagen | Digital Design in Architecture, Mejan Labs | Architectural Prototypes, Columbia University NYC | 2005 | Architectural Prototypes, Konstfack | Protocols of Collaboration, Space & Perception Symposium, Rixc (Riga) | Protocols of Collaboration, IT University Stockholm | Architectural Prototypes, Chalmers University of Technology (Gothenburg) | 2004 – 2005 | Design Communication, RMI Berghs School of Communication (Stockholm) | 2003 – 2005 | Operative Representation, KTH School of Architecture

### PRACTICE AND PUBLIC

2024 | Design Process Innovation for Timber Architecture, Build in Wood Conference, Copenhagen | 2023 | Informed Design for reuse, ARQ seminar | ReMake – digital design methods for re-use, Gothenburg 400-year anniversary | Additive



Manufacturing in Timber, Byggautomationsdagen | Rhino at Early Design Stages, Rhino User Forum | ReMake, Stadsfastigheter | ReMake, Circularity Seminar | ReMake, Cornell University | 2022 | Digital Materiality and Timber, Wendelstrand | The Interstitial Towers, H22 Helsingborg | Digital Design Systems, Digital Wood Flow Seminar, IVA | Interstitial Towers, Uppsala Architecture Festival | Design & Data, Design Leadership Meetup | Digital Materiality, SymbioSE NordiQC | 2021 | Digital Modelling for urban planners, Stockholm City Planning Office | Digital Matter: Timber Architecture at the intersection of Research and Practice, Woodlife Sweden Symposium Turkey | 2020 | Design as Collaborative Driver for Innovations in Fabrication, Innovation Pioneers Stockholm | Computational Design, Rikshem | 2019 | Scripting for Design, Scania | Computational Design, Radar Arkitektur | Additive Manufacturing in Wood, SVEAT Conference | Articulated Facades, ZAK World Facades Conference | Digital Timber, Stora Trähus Conference | Architecture & Computation, Tyrens/Chalmers | Architecture + Technology, TechFestSafari | Digital Materiality, InnoCrossLam Ljubljana | 2018 | Digital Timber, Trä&Teknikmässan | Simulation to Fabrication, Repr. for the Government Offices of Sweden | Articulated Architecture, Smart Kreativ Stad | New Digital Forms of Timber, TräTeknik Mässan + Architects Sweden | Forumtorget, Uppsala Architecture Festival | 2017 – 2018 | Architectural Concepts, Tyrens Engineering Elegance | 2017 | A Digital Materiality of Timber, Volvo Car Corporation | A Digital Materiality, Umeå Storforum | Digital Wood, Keynote, Stockholm Furniture & Light Fair | Architecture & Digitalisation, Architects Sweden | White Research Lab, Austrian Embassy | Informed Design, Keynote at seminar, White Arkitekter | 2016 | Additive Manufacturing in Timber, Keynote 3DP Symposium | 2015 | Architecture & Computation, Sweco Gothenburg | Studio 9, Saint Gobain | 2014 | Digital Design, Semrén+Månsson Gothenburg | Digital Design, Belatchew Arkitekter | Computational Design, Prince Carl Philip Bernadotte and IVA | 2013 | Heriot Watt Industry Day (Edinburgh) | Dsearch, CITA KADK Copenhagen | 2012 | Additive Manufacturing, 3DP Symposium (Stockholm) | 2011 | Digital Design, Form/Design Center Malmö | Digital Design, Forum för Arkitektur Stockholm | Digital Design, White Arkitekter Copenhagen, Digital Design, Strategisk Arkitektur | 2010 | Digital Design, ÅWL Arkitekter (Stockholm) | 2009 | Adaptive Ecologies, Bioinspired Forum Stockholm + Simrishamn | 2008 | Digital Design, White Arkitekter Stockholm | 2007 | Digital Design, Swedish Association of Architects | 2006 | Digital Design, Visual Forum Gothenburg | 2005 | Digital Design, Stockholm City Council | Digital Design, Swedish Association of Architects | Krets, Dorkbot\_STHLM, CRAC | Krets, Design på Gång, Kulturhuset

## EXHIBITIONS

2022 | H22, Helsingborg, presenting the Interstitial Towers design experiment | Architecture Festival Uppsala, presenting the Interstitial Towers design experiment

2021 | Symbiosis, Färgfabriken Stockholm, presenting the Interstitial Towers design experiment

2020 | Human Nature, Ethnographic Museum Stockholm, presenting design experiments from Beyond Efficiency

2019 | Ojord, Zimm Hall, presenting Interstitial Towers from Beyond Efficiency | Material & Detail, presenting demonstrator for Would Wood, Chalmers ACE + White arkitekter Gothenburg | Fragments from a Future, presenting Beyond Efficiency, KTH Library

2018 | Architecture & Computation, presenting the work of the A&C research group and student work from Material Turn at Chalmers ACE, Chalmers Kunskapstrappan, 2018

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, curator, 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

2001 | Machinic Processes in Architectural Design, Student Exhibition, Curator, ETHZ, Zürich

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, Kulturnatta anniversary exhibition, organizer and participant | POP, Fryshuset, Göteborg, group art exhibition

1994 | Fin de Siecle, Stora Teatern, Göteborg, group exhibition

## MEMBERSHIPS

- 2018 – 2020 | Member of Digitalisation Group, CMB, Chalmers ACE
- 2016 – 2018 | Board member of Bygginnovationen, Vinnova
- 2013 | Reference group member ICT-BIM, strategic research and innovation agenda, IQ Samhällsbyggnad
- 2013 – 2018 | Member of OCEAN Design Research Association
- 2010 – 2017 | Nomination committee, Arkus
- 2010 – 2012 | Reference group member Innovativ Kultur
- 2009 – 2011 | Board member KTH FIND
- 2008 – 2012 | Board member of Stockholms Arkitektförening, the local branch of Swedish Association of Architects
- 2008 – 2016 | Affiliated member of Urban Future Organization | Member of Architectural Association, London
- 2008 | On editorial board Riksställningar global perspectives
- 2006 – 2007 | Member of the Online Group of the Space of Communication project at the Städelschule, Frankfurt | Member of the editorial board for journal RUM
- 2003 – 2008 | Board member Creative Room for Art and Computing (CRAC)
- 1993 – | Member of Architects Sweden

## GRANTS AND AWARDS

- 2023 | ARQ stiftelsen för arkitekturforskning, research grant Reuse Design Methodologies
- 2021 | Smart Built Environment, Hybrid Composites, research grant, Project Leader
- 2019 | Tyresta Bridge, Stockholm, competition 3rd prize, White Arkitekter | Forumtorget, Architecture Masterprize Small Scale Landscape Category | Digital Twin Cities, Vinnova Competence Centre, Chalmers ACE, Research Area leader Architectural and Structural Design
- 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 | Byggkostnadsforum, 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

## LANGUAGE

Swedish: native

English: fluent

German: basic

## SOFTWARE SKILLS

Rhinoceros, Grasshopper, Microstation, 3dstudio max, Maya, GenerativeComponents, FormZ, revit (basic), ArchiCad (basic), Virtools, InDesign, Photoshop, Illustrator, After Effects, Premiere, Encore, Captivate, Word, Excel, Python (limited)

## OTHER

1990 – 1991 | Military Service, Amfibiebataljon, Platoon Leader, Kustartilleriet, KA1 + KA2

1989 – | B-class Driver's license

## REFERENCES

Given on request