

## Curriculum Vitae: Saadet Zeynep Bacinođlu

- education**
- 2023 Ph.D. in Architectural Design Computing Graduate Program, Graduate School of Science, Engineering, and Technology, Istanbul Technical University.
- 2018 Visiting Ph.D. Researcher, Chair of Design of Structures, School of Arts, Design and Architecture, Aalto University.
- 2012 M.Sc., Architectural Design Computing Graduate Program, Graduate School of Science, Engineering, and Technology, Istanbul Technical University.
- 2011 Exchange student at Building Science Graduate Program, Vienna Technical University.
- 2009 B.Arch., Department of Architecture, Istanbul Technical University.
- work experience**
- 2019-2023 Part time instructor, MEF University, Department of Architecture and Interior Architecture.
- 2021-2022 Part time instructor, Bahçeşehir University, Department of Industrial Design.
- 2019-2020 Part time instructor, Izmir Economy University, Department of Architecture.
- 2018-2019 Architect, Erkut Şahinbaş, Architects.
- 2012-2018 Research and Teaching Assistant, Istanbul Technical University, Graduate School of Science, Engineering and Technology, Architectural Design Computing Program.
- 2010-2012 Research and Teaching Assistant, Istanbul Technical University, Graduate School of Science, Engineering and Technology, Housing Research and Development Center.
- 2011-2011 Freelance Architect, Competition Project with Baumschlager Eberle Wien ZT GmbH.
- 2009-2010 Junior Architect, Vehbi Koc Foundation, Architectural Department.
- 2007-2008 Intern Architect, Arup Mühendislik ve Müşavirlik Ltd Sti., Istanbul.
- grants & awards**
- 2017 TUBITAK 2214a International Research Fellowship.
- 2016 Best Immersive Experience, International Fabrication Festival 2016, University of Westminster, Faculty of Architecture and the Built Environment: Gül, Tümerdem, Gündüz, Halıcı, Şencan, Bacinođlu.
- 2014 Best presentation award runner up, The Association for Computer-Aided Architectural Design. Research in Asia (CAADRIA) 2014, Kyoto, JAPAN, 14-17 May 2014: Bacinođlu, Alaçam: "A Context Based Approach to Digital Architectural Modelling Education"
- 2012 Finalist, Koza Young Fashion Designers Contest, ITKIB.
- 2009 3rd Place, Archiprix National Architectural Graduation Project Awards.
- 2008 Special award, Prosteel Student Architectural Design Competition.
- articles in peer reviewed journal**
- Bacinođlu, S. Z., Piskorec, L., Kotnik, T. (2019). CURVED.IT: A design tool to integrate making with curved folding into digital design process, ITU Journal of the Faculty of Architecture, 11-27, ISSN 2564-7474.
- Alaçam, S., Güzelci, O. Z., Güner, E., Bacinođlu, S. Z. (2017). Reconnoitring computational potentials of the vault-like forms: Thinking aloud on muqarnas tectonics. IJAC International Journal of Architectural Computing.
- Guzelci, O., Alaçam, S., & Bacinođlu, S. (2017). Three-Step Experimentation on Embedding Curvature to Rigid Planar Materials Through Cut Patterns. Gestão & Tecnologia de Projetos, 12(3), 93-107.
- articles in non-peer reviewed journal**
- Çağdas, G., Bacinođlu, S.Z, Çavuşođlu, Ö. (2015). "Computational Approaches in Architecture", Digital Opportunities in Architecture, (editor) Şenyapılı, B., TMMOB Ankara Chamber of Architects, Dosya 35.
- papers in conferences**
- Bacinođlu, S. Z., Çavuş, Ö., "Gamifying Origami: A Ruled Based Improvisation for Design Exploration", ASCAAD 2022 Conference, Debbieh Lebanon, October 12-14.
- Güzelci, O., Bacinođlu, S. Z., Alaçam, S., "Enhancing Flexibility of 2D Planar Materials by Applying Cut Patterns For Hands-on Study Models", SIGraDi 2016, Proceedings of the 20th International Congress of Iberoamerican Society of Digital Graphics.
- Bacinođlu, S. Z., "Performative Skin: From Material to Material with new Abilities", SIGraDi 2015, Proceedings of the 19th International Congress of Iberoamerican Society of Digital Graphics, UFSC, Florianopolis, 23-27 November 2015, sf: 631-636.
- Alaçam, S., Bacinođlu, S. Z., Ipek, Y., Çağdas, G., "Introducing Concepts of Graphical Programming Through Exercises Based on Light-Shadow Dichotomy", GEOMETRIAS 14 Proceedings, ISCTE Inst. Universitario Lisboa,

APROGED, 17-18 May 2014, pp: 107-114. ISBN: 978-989-98926-1-3.

Bacinoğlu, S. Z., Alaçam, S., "A Context Based Approach to Digital Architectural Modelling Education", CAADRIA 2014, Proceedings of the 19th International Conference on Computer Aided Architectural Design Research in Asia, Kyoto Institute of Technology, 14-17 May, pp: 811-820.

Bacinoğlu, S.Z., Çavuşoğlu, Ö., Alaçam, S., "Exploring the Potentials of Nature Inspired Processes in Architectural Design Through Computational Models of Seed Growth", Generative Arts Conference, 2013, Politecnico di Milano, 10-12 Dec 2013, pp: 269-281. ISBN: 978-88-96610-25-1.

Bacinoğlu, S. Z., "Shape Computing As A Way of Design Thinking" (Muğlak Tasarım Sürecinde Bir Aracı Olarak Şekil), 7th National Conference Series of Digital Design in Architecture: Architectural Design, Creativity, Entropy, ITÜ Mimarlık Fakültesi Yayınları, İstanbul, 2013. ISBN: 978-975-561-437-3.

- book chapter** Özgan, S., Bacinoğlu, S. Z., Coşkun, E., "The Potentials of Rule Based Approaches in Design Formation Process", Critical Spaces-Contemporary Perspectives in Spatial Studies, (editor) Calcatinge A., Vienna, 2014, pp: 51-65.
- book editor** Güner, E., Alaçam, S., Bacinoğlu, S. Z. (Editors), 2013. VII. Mimarlıkta Sayısal Tasarım Ulusal Sempozyumu: Sayısal Tasarım Entropi "Yaratıcılık", (Architectural Design, Creativity, Entropy : Proceedings of the VII. National Conference Series of Digital Design in Architecture) ITÜ Mimarlık Fakültesi Yayınları, İstanbul. ISBN: 978-975-561-437-3.
- Baslo, M., Almaç, B., Bacinoğlu, S. Z. (Series Editors), 2012. ARCHED 2011 (Association of Architecture Education Student Awards), ITÜ Mimarlık Fakültesi Yayınları, İstanbul. ISBN: 978-605-01-0451-6.
- exhibitions** 2012 Design competitions exhibition, Turkey Innovation Week, İstanbul Congress Center.
- 2012 SALON İstanbul Exhibition as part of İstanbul Design Biennial, İstanbul Culture & Art Foundation.
- 2012 İstanbul Fashion Week 2012.
- 2012 SALON Amsterdam Exhibition at Amsterdam Museum as part of the celebration of 400 years of Dutch-Turkish diplomatic relations, Netherlands.
- 2012 360 plus 5' The Best Student Projects Exhibition of the Faculty of Arch. TU Vienna in Künstlerhaus.
- organisation committee of scientific events** Jul 2017Conference: 17th CAADFutures 2017 İstanbul. (<http://caadfutures2017.itu.edu.tr/>) Organisation committee: Çağdaş, Özkar, Çolakoğlu, Güner, Çavuşoğlu, Bacinoğlu, Hamzaoğlu.
- Sep 2016DYNAMO Workshops, ITU. tutor: M. Diker, Organisation committee: Bacinoğlu, Yeni, Karabay.
- Apr 2014Workshop: 'İstanbul Places of Gathering-Vault Tectonics' .Turkish-German Scientific Year TÜBİTAK 2223-D. Supported by The Scientific and Technological Research Council of Turkey. Organisation committee: Çağdaş, Sökmenoğlu, Bacinoğlu, Çavuşoğlu
- June 2013'7th National Symposium on Digital Design in Architecture: Digital Design Entropy Creativity' Supporters: ITU Graduate School of Science Engineering and Technology, Architectural Design Computing Graduate Program & ITU Faculty of Architecture. Organisation committee: Güner, Alaçam, Bacinoğlu
- June 2013Workshop: 'Robotic Data Flows' tutor: Sigrid Brell Çokcan (TU Vienna), 26th June, 2013 as part the '7th National Symposium on Digital Design in Architecture. ITU Graduate School of Science Engineering and Technology & KUKA Robotics Organisation committee: Güner, Alaçam, Bacinoğlu.
- May 2012'Beyond the Glass Ceiling' Women Rectors Across Europe Conference, ITU, İstanbul. Organisation committee: Sağlamer, Tan, Atalay, Baslo, Bacinoğlu, Duran.
- Dec 2011 MIMED (Association for Architectural Education) National Architectural Students Competition. Reporter: Bacinoğlu, Almaç, Güldoğan.
- May 2010"Com.pli.city" SESAM 2010 (Small European Students Architectural Meeting), İstanbul. Organisation committee: Mesci, Erten, Tan, Kılıç, Bacinoğlu.
- seminars** Apr 2024 "Architecture and AI". MX Yaratıcı Endüstriler Çalıştayı Akademik Oturumu, Marmara University.
- Dec 2019 Aalto Days. ITU Architectural Design Computation Graduate Program.
- Jan 2016 Performative Surfaces: a research on material form and organization. Laboratory for models&Digital Fabrication, UFRJ, Rio, BR. Lecturers: Bacinoğlu, Alaçam.
- Oct 2015 Tasarım Eğitiminde Bağlamı Modellemek (Modelling the context: in Design Education), Mimar Sinan University Digital Design Research Lab. Lecturers: Bacinoğlu, Alaçam.

March 2012 Architecture of Potentialities, '20's something' seminars organised by ArchED.

## workshops

Dec 2018 'Digital Design and Production of Parametric Joints with 3D Printing' (3D Bağlantı Detay Tasarımı Çalıştayı), Başakşehir Living Lab. Tutors: Bacinoğlu, Şentürk.

March 2014 'Factory of Dreams' Workshop. 'Mimar Oluyorum III', ITU Tutors: Atas, Sökmenoğlu, Bacinoğlu.

May 2009 Eco Surface Workshop. Ecological Design Meeting, ITU Tutors: Bacinoğlu, Lösger, Top.

## workshop participation

Nov 2023 'INTRODUCTION TO AI', LinkedIn Learning.

Nov 2023 'GAME DESIGN FOUNDATIONS', LinkedIn Learning.

June 2023 'RHINO GRASSHOPPER TEACHER WORKSHOP', McNeel Europe, Barcelona.

July 2020 'WRITING IN THE SCIENCES' by Stanford Online, Coursera.

June 2020 'MODEL MAKING @ Bollinger+Grohmann and KARAMBA' by DigitalFutures World 2020.

Dec 2019 'GENERATIVE DESIGN FOUNDATIONS' by Nagy, LinkedIn Learning.

March 2018 'INTRODUCTION TO PROGRAMMING'. C ve Sistem Programcıları Derneği.

Dec 2017 'INTRODUCTION TO PYTHON SCRIPTING FOR COMPUTATIONAL DESIGN', Aalto University Design of Structures.

Aug 2017 'THINK THE LINK, CITY ELEMENTS SHAPING HAMBURG AS A HARBOUR AREA', Baltic International Summer School 2017, Hafencity Universität, Hamburg.

June 2017 'SURFACE RATIONALIZATION FOR ROBOTIC HOT BLADE CUTTING IN ARCHITECTURE', PhD Summer School 2017, Denmark Technical University, Copenhagen. Participant of the Ph.D. workshop.

June 2017 'DIGITAL PRODUCT REALIZATION: MAKING THINGS THAT MATTER', UBISS 2017, 8th International UBI Summer School, Center for Ubiquitous Computing, University of Oulu, Finland.

June 2016 'FABFEST 2016' International Fabrication Festival London, University of Westminster. ITU: Digital Design & Fabrication & Assembly Team: Gül, Tümerdem, Gündüz, Bacinoğlu, Halıcı, Şencan.

April 2016 'LOGJAM Polar Orthotrophy and Principle Stress Workshop' [cluster experts: Fagerström King, Cote, Kirschner], Chalmers University of Technology, Gothenburg. 2016 SmartGeometry : Hybrid Domains.

May 2015 'COMPUTATIONAL COUTURE' hosted by Innovation Pavillion 2015 Conference. Tutor: Erioli. Participant of the workshop and conference. Organization: IAAC & FabLab Barcelona.

Oct 2011 'PUBLIC SPACE - Urban Strategies on Thessaloniki's public space' workshop, Greece. Organization: Aristotles University & Thessaloniki Chamber of Architects.

Nov 2010 'BUILDING THE CODE' Workshop, I.T.U. Parametric Design Workshop, Tutors: Wurzer, Lorenz.

Oct 2010 'PARAMETRICSYNTHESIS' student workshop, İstanbul.

Aug 2010 'IDENTITY' EASA 2010 (European Architecture Students Assembly), Manchester Digital Lab, UK. DATAscape processing workshop, tutor: D. Mee (MADLAB).

July 2010 'TOWARDS A NEW MOBILITY', Detmolder Schule für Architektur, Germany. ADAD (Advanced Digital Architectural Design) Summer School. Tutor: Hemmerling.

Feb 2010 'SUPERBLEND' The Parametric Studio of Tsinghua Architectural Design and Research Inst., China. Participant of AA - Architectural Association London's Beijing Winter School with a scholarship.

April 2009 'EVOLUTION' SESAM 2009 (Small European Students Architectural Meeting), Rome, Italy.

Aug 2008 'RE:MIX Petralka' International Architectural Workshop, Bratislava – Petralka., Bratislava Architecture Center & Slovak Technical University, Design Factory. Organisers: Brezny, Bohacova.

Oct 2007 'Shelter and TEMPORARY HOUSING After DISASTER', Kocaeli Chamber of Arch. & ITU.

March 2007 'Thinking the Future of SEMBOLIC PLACES' Workshop, Sint Lucas University, Brussels.