

# Fabrication Lab

## Architecture

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Addington, D. Michelle, Daniel L. Schodek, and Ebooks Corporation. 2005. Smart Materials and New Technologies: For the Architecture and Design Professions. Amsterdam: Elsevier.

Adriaenssens, Sigrid, ed. 2014. Shell Structures for Architecture: Form Finding and Optimization. London: Routledge.

Anon. 25AD. 'Parametricism 2.0: Rethinking Architecture's Agenda for the 21st Century AD (Architectural Design)'.

Anon. 2017. HUMANIZING DIGITAL REALITY: Design Modelling Symposium 2017. [S.I.]: SPRINGER VERLAG, SINGAPOR.

Anon. n.d.-a. 'Architectural Design - High Definition: Zero Tolerance in Design and Production'. Volume 84(Issue 1).

Anon. n.d.-b. Construction Robots. Cambridge University Press.

Bechthold, Martin. 2008. Innovative Surface Structures: Technology and Applications. Abingdon [England]: Taylor & Francis.

Beorkrem, Christopher. 2013. Material Strategies in Digital Fabrication. London: Routledge.

Bock, Thomas, and Thomas Linner. 2014. Robot-Oriented Design: Design and Management Tools for the Deployment of Automation and Robotics in Construction. New York: Cambridge University Press.

Bock, Thomas, and Thomas Linner. 2015. Robotic Industrialization: Automation and Robotic Technologies for Customized Component, Module, and Building Prefabrication. Cambridge: Cambridge University Press.

Bock, Thomas, and Thomas Linner. 2016. Logistics, Site Automation, and Robotics: Automated and Robotic on-Site Factories. Cambridge: Cambridge University Press.

Brooks, Nick. 2005. Mouldmaking and Casting. Ramsbury: Crowood.

Brooks, Nick. 2011. Advanced Mouldmaking and Casting. Ramsbury: Crowood.

Brownell, Blaine. 2012. Material Strategies: Innovative Applications in Architecture. Vol. Architecture brief series. New York: Princeton Architectural Press.

Brownell, Blaine Erickson. 2006. Transmaterial: A Catalog of Materials That Redefine Our Physical Environment. New York: Princeton Architectural.

Brownell, Blaine Erickson. 2008. Transmaterial 2: A Catalog of Materials That Redefine Our Physical Environment. New York: Princeton Architectural Press.

Brownell, Blaine Erickson. 2010. Transmaterial 3: A Catalog of Materials That Redefine Our Physical Environment. 1st ed. New York, N.Y.: Princeton Architectural Press.

Brownell, Blaine Erickson. 2017. Transmaterial next: A Catalog of Materials That Redefine Our Future. First edition. New York: Princeton Architectural Press.

Brownell, Blaine Erickson, and Marc Swackhamer. 2015. Hypernatural: Architecture's New Relationship with Nature. Vol. Architecture briefs. First edition. New York: Princeton Architectural Press.

Chilton, John, and Gabriel Tang. 2017. Timber Gridshells: Architecture, Structure and Craft. London: Routledge.

De Landa, Manuel. n.d. A Thousand Years of Nonlinear History. New York: Swerve Editions, 2005.

Deutsch, Randy. 2015. Data-Driven Design and Construction: 25 Strategies for Capturing, Analyzing and Applying Building Data. Hoboken, New Jersey: Wiley.

Deutsch, Randy. 2017. Convergence: The Redesign of Design. Vol. AD smart. Hoboken, New Jersey: John Wiley & Sons, Inc.

Driscoll, Matthew. 2013. Model Making for Architects. Ramsbury, Marlborough, Wiltshire: The Crowood Press.

Eidgenössische Technische Hochschule Zurich. Chair of Architecture and Digital Fabrication. 2014. The Robotic Touch: How Robots Change Architecture. edited by F. Gramazio, M. Kohler, and J. Willmann. Zurich: Park Books.

Eidgenössische Technische Hochschule Zürich and FABRICATE (Conference). 2014. Fabricate: Negotiating Design & Making. edited by F. Gramazio, M. Kohler, and S. Langenberg. Zurich: gta Verlag.

Gershenfeld, Neil, Matthew Carney, Benjamin Jenett, Sam Calisch, and Spencer Wilson. 2015. 'Macrofabrication with Digital Materials: Robotic Assembly'. Architectural Design 85(5):122–27. doi: 10.1002/ad.1964.

Gramazio, Fabio, and Matthias Kohler, eds. 2014. Made by Robots: Challenging Architecture at the Large Scale. Vol. Architectural design. New York: John Wiley & Sons.

Hauschild, Moritz, Rudiger Karzel, and Cornelia Hellstern. 2011. Digital Processes: Planning, Design, Production. Vol. Detail practice. Basel: Birkhauser.

Howes, Philip, Zoe Laughlin, and Phoebe Stubbs. 2012. Material Matters: New Materials in Design. London: Black Dog Pub.

Iwamoto, Lisa. 2009. Digital Fabrications: Architectural and Material Techniques. Vol. Architecture briefs. New York: Princeton Architectural Press.

Jackson, Paul. 2011. Folding Techniques for Designers: From Sheet to Form. London: Laurence King Publishing.

Jackson, Paul. 2012. Structural Packaging: Design Your Own Boxes and 3-D Forms. London: Laurence King Pub.

Jackson, Paul. 2014. Cut and Fold Techniques for Pop-Up Designs. 1st edition. Laurence King.

Kara, Hanif, and Daniel Bosia, eds. 2016. Design Engineering Refocused. West Sussex, United Kingdom: John Wiley & Sons Ltd.

Karssen, Arjan, and Bernard Otte. 2014. Model Making: Conceive, Create and Convince. Amsterdam: Frame Publishers.

Kula, Daniel, and Elodie Ternaux. 2014. Materiology: The Creatives Guide to Materials and Technologies. Rev. ed. Amsterdam: Frame Publishers.

Kumpusch, Christoph a. 2016. Detail Kultur: If Buildings Had DNA : Case Studies of Mutations : The Complex Behavior of Collective Detail, 10 Lenses, 12+1 Projects. Beijing: AADCU Program.

Lynn, Greg. 1997a. Animate Form. New York: Princeton Architectural Press.

Lynn, Greg. 1997b. Animate Form. New York: Princeton Architectural Press.

Lynn, Greg. 2004. Folding in Architecture. Vol. Architectural design. Rev. ed. Chichester: Wiley-Academy.

Menges, Achim. 2017. Fabricate: Rethinking Design and Construction. London: UCL Press.

Menges, Achim, Tobias Schwinn, and Oliver David Krieg, eds. 2017a. Advancing Wood Architecture: A Computational Approach. New York: Routledge.

Menges, Achim, Tobias Schwinn, and Oliver David Krieg, eds. 2017b. Advancing Wood Architecture: A Computational Approach. New York: Routledge.

Ritter, Axel. 2007. Smart Materials in Architecture, Interior Architecture and Design. Basel: Birkhäuser.

Schumacher, Patrik. 2011. The Autopoiesis of Architecture: A New Framework for Architecture, Vol. 1. Chichester: Wiley.

Sheil, Bob, and Ruairi Glynn, eds. 2012. Fabricate: Making Digital Architecture. Cambridge, Ont: Riverside Architectural.

Spuybroek, Lars. 2009. Research & Design: The Architecture of Variation. New York: Thames & Hudson.

Spuybroek, Lars. 2011. The Sympathy of Things: Ruskin and the Ecology of Design. Rotterdam: V2\_Publishing.

Spuybroek, Lars, and Lars Spuybroek. 2004. NOX: Machining Architecture. London: Thames & Hudson.

Vyzoviti, Sophia. 2006. Supersurfaces: Folding as a Method of Generating Forms for Architecture, Products and Fashion. Amsterdam: BIS.

Vyzoviti, Sophia. 2012. Folding Architecture: Spatial, Structural and Organizational Diagrams. Amsterdam: BIS.

Weinstock, Michael. 2010. The Architecture of Emergence: The Evolution of Form in Nature and Civilisation. Hoboken, N.J.: Wiley.

Werner, Megan. 2011. Model Making. New York: Princeton Architectural Press.