

# Fabrication Lab

Architecture

View Online



---

Addington, D. Michelle, Daniel L. Schodek, and Ebooks Corporation. 2005. Smart Materials and New Technologies: For the Architecture and Design Professions. Amsterdam: Elsevier. <https://uow.idm.oclc.org/login?url=https://www.taylorfrancis.com/books/e/9780080480954>.

Adriaenssens, Sigrid, ed. 2014. Shell Structures for Architecture: Form Finding and Optimization. London: Routledge. <https://uow.idm.oclc.org/login?url=https://www.taylorfrancis.com/books/e/9781315849270>.

'Architectural Design - High Definition: Zero Tolerance in Design and Production'. n.d. Volume 84 (Issue 1). <http://onlinelibrary.wiley.com/doi/10.1002/ad.v84.1/issuetoc>.

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

Beorkrem, Christopher. 2013. Material Strategies in Digital Fabrication. London: Routledge. <http://www.vlebooks.com/vleweb/product/openreader?id=WestminUni&isbn=9780203100677>.

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. <https://www.cambridge.org/core/books/robotoriented-design/94C8C5DC78FF269F05C92EC2D9A21DD5>.

———. 2015. Robotic Industrialization: Automation and Robotic Technologies for Customized Component, Module, and Building Prefabrication. Cambridge: Cambridge University Press. <https://login.uow.idm.oclc.org/login?url=https://doi.org/10.1017/CBO9781139924153>.

———. 2016. Logistics, Site Automation, and Robotics: Automated and Robotic on-Site Factories. Cambridge: Cambridge University Press. <https://uow.idm.oclc.org/login?url=https://doi.org/10.1017/CBO9781139872027>.

Brooks, Nick. 2005. Mouldmaking and Casting. Ramsbury: Crowood. <https://ebookcentral.proquest.com/lib/westminster/detail.action?docID=1457817>.

———. 2011. Advanced Mouldmaking and Casting. Ramsbury: Crowood. <https://ebookcentral.proquest.com/lib/westminster/detail.action?docID=1457853>.

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.  
<http://www.vlebooks.com/vleweb/product/openreader?id=WestminUni&isbn=9781568986555>.

———. 2008. *Transmaterial 2: A Catalog of Materials That Redefine Our Physical Environment*. New York: Princeton Architectural Press.  
<https://ebookcentral.proquest.com/lib/westminster/detail.action?docID=3387398>.

———. 2010. *Transmaterial 3: A Catalog of Materials That Redefine Our Physical Environment*. 1st ed. New York, N.Y.: Princeton Architectural Press.  
<https://ebookcentral.proquest.com/lib/westminster/detail.action?docID=3387390>.

———. 2017. *Transmaterial next: A Catalog of Materials That Redefine Our Future*. First edition. New York: Princeton Architectural Press.  
<https://ebookcentral.proquest.com/lib/westminster/detail.action?pq-origsite=primo&docID=4868582>.

Brownell, Blaine Erickson, and Marc Swackhamer. 2015. *Hypernatural: Architecture's New Relationship with Nature*. First edition. Vol. Architecture briefs. New York: Princeton Architectural Press.  
<https://ebookcentral.proquest.com/lib/westminster/detail.action?docID=4514024>.

Chilton, John, and Gabriel Tang. 2017. *Timber Gridshells: Architecture, Structure and Craft*. London: Routledge.  
<http://www.vlebooks.com/vleweb/product/openreader?id=WestminUni&isbn=9781315773872>.

Construction Robots. n.d. Cambridge University Press.  
<https://www.cambridge.org/core/books/construction-robots/BCA613ACE148774DA57A94393D11ED99>.

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.  
<http://www.vlebooks.com/vleweb/product/openreader?id=WestminUni&isbn=9781118899267>.

———. 2017. *Convergence: The Redesign of Design*. Vol. AD smart. Hoboken, New Jersey: John Wiley & Sons, Inc.  
<http://www.vlebooks.com/vleweb/product/openreader?id=WestminUni&isbn=9781119256236>.

Driscoll, Matthew. 2013. *Model Making for Architects*. Ramsbury, Marlborough, Wiltshire: The Crowood Press.  
<https://ebookcentral.proquest.com/lib/westminster/detail.action?docID=1209290>.

Eidgenössische Technische Hochschule Zurich. Chair of Architecture and Digital Fabrication. 2014. *The Robotic Touch: How Robots Change Architecture*. Edited by Fabio Gramazio, Matthias Kohler, and Jan Willmann. Zurich: Park Books.

Eidgenössische Technische Hochschule Zürich and FABRICATE (Conference). 2014. *Fabricate: Negotiating Design & Making*. Edited by Fabio Gramazio, Matthias Kohler, and Silke 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. <https://doi.org/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. <http://www.vlebooks.com/vleweb/product/openreader?id=WestminUni&isbn=9781118918951>.

Hauschild, Moritz, Rudiger Karzel, and Cornelia Hellstern. 2011. *Digital Processes: Planning, Design, Production*. Vol. Detail practice. Basel: Birkhauser. <https://ebookcentral.proquest.com/lib/westminster/detail.action?docID=1075550>.

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

HUMANIZING DIGITAL REALITY: Design Modelling Symposium 2017. 2017. [S.l.]: SPRINGER VERLAG, SINGAPOR. <https://ebookcentral.proquest.com/lib/westminster/detail.action?docID=5047797>.

Iwamoto, Lisa. 2009. *Digital Fabrications: Architectural and Material Techniques*. Vol. Architecture briefs. New York: Princeton Architectural Press. <https://ebookcentral.proquest.com/lib/westminster/detail.action?docID=3387337&pq-origsite=primo>.

Jackson, Paul. 2011. *Folding Techniques for Designers: From Sheet to Form*. London: Laurence King Publishing. <https://learning.oreilly.com/library/view/folding-techniques-for/9781856697217/>.

———. 2012. *Structural Packaging: Design Your Own Boxes and 3-D Forms*. London: Laurence King Pub.

———. 2014. *Cut and Fold Techniques for Pop-Up Designs*. 1st edition. Laurence King. [https://westminster.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=5675337700003711&institutionId=3711&customerId=3710](https://westminster.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5675337700003711&institutionId=3711&customerId=3710).

Kara, Hanif, and Daniel Bosia, eds. 2016. *Design Engineering Refocused*. West Sussex, United Kingdom: John Wiley & Sons Ltd. <https://uow.idm.oclc.org/login?url=http://onlinelibrary.wiley.com/book/10.1002/9781119164838>.

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.  
<http://www.vlebooks.com/vleweb/product/openreader?id=WestminUni&isbn=9783038210801>.
- 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.
- . 1997b. *Animate Form*. New York: Princeton Architectural Press.
- . 2004. *Folding in Architecture*. Rev. ed. Vol. *Architectural design*. Chichester: Wiley-Academy.
- Menges, Achim. 2017. *Fabricate: Rethinking Design and Construction*. London: UCL Press.  
[https://westminster.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=5709998960003711&institutionId=3711&customerId=3710](https://westminster.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5709998960003711&institutionId=3711&customerId=3710).
- Menges, Achim, Tobias Schwinn, and Oliver David Krieg, eds. 2017a. *Advancing Wood Architecture: A Computational Approach*. New York: Routledge.  
<https://www-taylorfrancis-com.uow.idm.oclc.org/books/e/9781317392347>.
- , eds. 2017b. *Advancing Wood Architecture: A Computational Approach*. New York: Routledge. <https://www-taylorfrancis-com.uow.idm.oclc.org/books/e/9781317392347>.
- 'Parametricism 2.0: Rethinking Architecture's Agenda for the 21st Century AD (Architectural Design)'. *25AD*.  
<http://onlinelibrary.wiley.com/doi/10.1002/ad.2016.86.issue-2/issuetoc>.
- Ritter, Axel. 2007. *Smart Materials in Architecture, Interior Architecture and Design*. Basel: Birkhäuser.  
<https://ebookcentral.proquest.com/lib/westminster/detail.action?pq-origsite=primo&docID=3063910>.
- Schumacher, Patrik. 2011. *The Autopoiesis of Architecture: A New Framework for Architecture, Vol. 1*. Chichester: Wiley.  
<https://ebookcentral.proquest.com/lib/westminster/detail.action?pq-origsite=primo&docID=699417>.
- Sheil, Bob, and Ruairi Glynn, eds. 2012. *Fabricate: Making Digital Architecture*. Cambridge, Ont: Riverside Architectural. <https://www.jstor.org/stable/j.ctt1tp3c6d>.
- Spuybroek, Lars. 2009. *Research & Design: The Architecture of Variation*. New York: Thames & Hudson.
- . 2011. *The Sympathy of Things: Ruskin and the Ecology of Design*. Rotterdam: V2\_Publishing.  
<https://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=1167977&site=ehost-live&scope=site>.

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.

———. 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.  
<https://ebookcentral.proquest.com/lib/westminster/detail.action?docID=3387538>.