

LIST OF PUBLICATIONS

Nithikul Nimkulrat

<https://www.nithikul.com/publications.html>

Book

- (1) Nimkulrat, N. (2009). *Paperness: Expressive Material in Textile Art from an Artist's Viewpoint*. Helsinki, Finland: University of Art and Design Helsinki.

Edited Books

- (2) Nimkulrat, N., & Groth, C. (eds.) (accepted, forthcoming 2023). *Craft and Design Practice from an Embodied Perspective*. New York, NY & London, UK: Routledge.
- (3) Nimkulrat, N., Ræbild, U., & Piper, A. (eds.) (2018). *Soft Landing* [Cumulus Think Tank Publication Series]. Helsinki, Finland: Aalto University School of Arts, Design and Architecture.
- (4) Nimkulrat, N., Kane, F., & Waltan, K. (eds.) (2016). *Crafting Textile in the Digital Age*. London: Bloomsbury Academic.
- (5) Nimkulrat, N., & O'Riley, T. (eds.) (2009). *Reflections and Connections: On the Relationship between Creative Production and Academic Research*. Helsinki, Finland: University of Art and Design Helsinki.

Book Chapters

- (6) Nimkulrat, N., & Demir, A. D. (accepted, forthcoming 2024). Promoting Wellbeing through E-Textiles. In J. Jefferies, K. Jiang, & L. Norris (eds.). *Bloomsbury Encyclopedia of Textiles, Volume 10: Textile Futures*. London, UK: Bloomsbury.
- (7) Nimkulrat, N. (2021). Experiential Craft: Knowing through Analogue and Digital Materials Experience. In O. Pedgley, V. Rognoli, & E. Karana (eds.). *Materials Experience 2: Expanding Territories of Materials and Design* (pp. 33–52). Amsterdam, The Netherlands: Elsevier.
<https://doi.org/10.1016/B978-0-12-819244-3.00026-0>.
- (8) Nimkulrat, N. (2021). Decoloniality of Knowing and Being: Artistic Research through Collaborative Craft Practice. In T. Seppälä, M. Sarantou, & S. Miettinen (eds.). *Decolonising Participatory Research through Arts-Based Methods* (pp. 185–197). New York, NY & London, UK: Routledge.
<https://doi.org/10.4324/9781003053408-10>.
- (9) Nimkulrat, N., & Nurmi, T. (2019). Mathematical Design for Knotted Textiles. In B. Sriraman (ed.). *Handbook of the Mathematics of the Arts and Sciences*. Cham, Switzerland: Springer.
https://doi.org/10.1007/978-3-319-70658-0_39-1.
- (10) Kuusk, K., & Nimkulrat, N. (2018). Opportunities of Interactive Textile-Based Design for Education Tools for Children with Various Spectrums of Alertness Sensitivities. In N. Nimkulrat, U. Ræbild, & A. Piper (eds.). *Soft Landing* [Cumulus Think Tank Publication Series] (pp. 101–111). Helsinki, Finland: Aalto University School of Arts, Design and Architecture.

Book Chapters (continued)

- (11) Nimkulrat, N., Ræbild, U., & Piper, A. (2018). Introduction: Soft Landing of Fashion and Textile Education. In N. Nimkulrat, U. Ræbild, & A. Piper (eds.). *Soft Landing* [Cumulus Think Tank Publication Series] (pp. 1–4). Helsinki, Finland: Aalto University School of Arts, Design and Architecture.
- (12) Kane, F. Nimkulrat, N., & Waltan, K. (2016). Introduction. In N. Nimkulrat, F. Kane, & K. Waltan (eds.). *Crafting Textile in the Digital Age* (pp. 1–13). London, UK: Bloomsbury.
- (13) Nimkulrat, N., & O'Riley, T. (2009). Introduction. In N. Nimkulrat & T. O'Riley (eds.) *Reflections and Connections: On the Relationship between Creative Production and Academic Research* (pp. 7–8). Helsinki, Finland: University of Art and Design Helsinki.

Peer-Reviewed Journal Articles

- (14) Nimkulrat, N. (2022). Crafting Novel Knotted Textiles with Mathematics. *The Textile Museum Journal*, 49, 28–49. <https://doi.org/10.7560/TMJ4903>.
- (15) Demir, A. D., Kuusk, K. and Nimkulrat, N. (2022). Squeaky/Pain: Articulating the Felt Experience of Pain for Somaesthetic Interactions. *Temes de Disseny* 38, 162–178. <https://doi.org/10.46467/TdD38.2022.162-178>.
- (16) Demir, A. D., Nimkulrat, N., & Kuusk, K. (2022). 'Squeaky/Pain': Cultivating Disturbing Experiences and Perspective Transition for Somaesthetic Interactions. *Diseña*, 20, Article 2. <https://doi.org/10.7764/disen.20.Article.2>.
- (17) Digranes, I., Gao, B., Nimkulrat, N., Rissanen, T., & Stenersen, A. L. (2021). Editorial track 6.a Materiality in the Digital Age. *FormAkademisk - Research Journal of Design and Design Education*, 14(4). <https://doi.org/10.7577/formakademisk.4663>.
- (18) Nimkulrat, N., Groth, C. Tomico, O., & Valle-Noronha, J. (2020). Editorial: Knowing Together – Experiential Knowledge and Collaboration. *CoDesign*, 16(4), 267–273. <https://doi.org/10.1080/15710882.2020.1823995>.
- (19) Nimkulrat, N. (2020). Translational Craft: Handmade and Gestural Knowledge in Analogue-Digital Material Practice. *Craft Research*, 11(2), 237–260. https://doi.org/10.1386/crre_00027_1.
- (20) Karana, E., Nimkulrat, N., Giaccardi, E., Niedderer, K. & Fan, J. N. (2019). Alive. Active. Adaptive: Experiential Knowledge and Emerging Materials. *International Journal of Design*, 13(2), 1–5. <http://www.ijdesign.org/index.php/IJDesign/article/viewFile/3731/854>.
- (21) Nimkulrat, N. (2019). Three Estonian Designers Revealing Hand and Material Traces in Everyday Objects. *Estonian Art*, 19(1), 82–87.
- (22) Mäkelä, M., & Nimkulrat, N. (2018). Documentation as Practice-Led Research Tools for Reflection on Experiential Knowledge. *FORMakademisk*, 11(2). <https://doi.org/10.7577/formakademisk.1818>.
- (23) Nimkulrat, N., & Matthews, J. (2017). Ways of Being Strands: Cross-Disciplinary Collaboration Using Craft and Mathematics. *Design Issues*, 33(3). 59–72. https://doi.org/10.1162/DESI_a_00461.
- (24) Nimkulrat, N. (2017). Storytelling Through Interactive Screens. *Estonian Art*, 17(2), 77–81.

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- (25) Nimkulrat, N., Seitamaa-Hakkarainen, P., Pantouvaki, S., & de Freitas, N. (2016). Experience, Materiality, and Articulation in Art/Design and Research Practices. *Studies in Material Thinking*, 14. https://www.materialthinking.org/sites/default/files/papers/0176_SMT_V14_P00_FA.pdf.
- (26) Nimkulrat, N., Niedderer, K., & Evans, M. A. (2015). On Understanding Expertise, Connoisseurship, and Experiential Knowledge in Professional Practice. *Journal of Research Practice*, 11(2), Article E1. <http://jrp.icaap.org/index.php/jrp/article/view/530/429>.
- (27) Nimkulrat, N. (2015). Research through Design as a Discursive Dissemination Platform. *Constructivist Foundation*, 11(1), 26–28. <http://constructivist.info/11/1/026>.
- (28) Nimkulrat, N. (2014). I Wondered. *Stimulus Respond*, Spring 2014, 30–34.
- (29) Mäkelä, M., Nimkulrat, N., & Heikkinen T. (2014). Drawing as a Research Tool: Making and Understanding in Art and Design Practice. *Studies in Material Thinking*, 10. http://www.materialthinking.org/sites/default/files/papers/SMT_V10_00_Editorial_0.pdf.
- (30) Nimkulrat, N. (2013). Situating Creative Artifacts in Art and Design Research. *FORMakademisk*, 6(2), Article 4. <https://doi.org/10.7577/formakademisk.657>.
- (31) Seager, R.D., Chauraya, A., Bowman, J., Broughton, M., Philpott, R., & Nimkulrat, N. (2013). Fabric Based Frequency Selective Surfaces Using Weaving and Screen Printing. *Electronics Letters*, 49(24), 1507–1509, <http://dx.doi.org/10.1049/el.2013.2314>.
- (32) Nimkulrat, N. (2012). Hands-on Intellect: Integrating Craft Practice into Design Research. *International Journal of Design*, 6(3), 1–14. <http://www.ijdesign.org/index.php/IJDesign/article/viewFile/1228/520>.
- (33) Mäkelä, M., Nimkulrat, N., Dash, D. P., & Nsenga, F.-X. (2011). On Reflecting and Making in Artistic Research. *Journal of Research Practice*, 7(1), Article E1. <http://jrp.icaap.org/index.php/jrp/article/view/280/241>.
- (34) Nimkulrat, N. (2010). Material inspiration: From Practice-Led Research to Craft Art Education. *Craft Research*, 1(1), 63–84. https://doi.org/10.1386/crre.1.63_1.
- (35) Nimkulrat, N. (2007). Seeing the Seeing Paper: Looking at Personal Artistic Experience through Artefacts. *Working Papers University of Art and Design Helsinki F32, Artist as Researcher: In Between Art and Research*, 17–24.
- (36) Nimkulrat, N. (2007). The Role of Documentation in Practice-Led Research. *Journal of Research Practice*, 3(1), Article M6. <http://jrp.icaap.org/index.php/jrp/article/view/58/83>.
- (37) Nimkulrat, N. (2005) The Supervision at the Early Stage of Conducting Design Research. *Idadedaimagem*, 3, 70–73.

Peer-Reviewed Conference Papers

- (38) Nimkulrat, N., & Groth, C. (2022). Embodiment and Experiential Knowledge. In D. Lockton, S. Lenzi, P. Hekkert, A. Oak, J. Sádaba, & P. Lloyd, P. (eds.) *Proceedings of 2022 Design Research Society Conference (DRS2022)*. 25 June–3 July, Bilbao, Spain. <https://doi.org/10.21606/drs.2022.1073>.

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- (39) Nimkulrat, N. (2020). Editorial: Synergy and Experiential Knowledge in Collaboration – the Experiential Knowledge SIG. In S. Boess, M. Cheung, & R. Cain (eds.) *Proceedings of 2020 Design Research Society Conference (DRS2020) Vol. 5: Processes* (pp. 2323–2325). 11–14 August, Held online. <https://doi.org/10.21606/drs.2020.124>.
- (40) Digranes, I., Nimkulrat, N., Rissanen, T., Stenersen, A. L., & Gao, B. (2019) Track 6.a Introduction: Materiality in the digital age. In *Conference Proceedings of the Academy for Design Innovation Management 2019* (pp. 1217–1219). London: Loughborough University London.
- (41) Kuusk, K., & Nimkulrat, N. (2019). Mediating (Nonverbal) Communication between Persons with Different Cognitive Abilities Using Interactive Artifacts. In J. Häkkilä, M. Pakanen, E. Luiro, E. Mikkonen, & S. Miettinen (eds.) *Around the Campfire - Resilience and Intelligence, Cumulus Conference Proceedings Rovaniemi 2019* (pp. 234–245). Rovaniemi, Finland: University of Lapland.
- (42) Nimkulrat, N., Oussoren, A., Day Fraser, H., & Doyle, K. (2019). Collaborative Craft through Digital Fabrication and Virtual Reality. In *Proceedings of Research Through Design (RTD2019) Method & Critique*. Delft, The Netherland: Delft University of Technology. <https://doi.org/10.6084/m9.figshare.7855781.v1>.
- (43) Nimkulrat, N., & Nurmi, T. (2018). Knot Designs Based on Rhombille Tiling Notations. In E. Torrence, B. Torrence, C. H. Séquin, K. Fenyvesi, & C. S. Kaplan (eds.) *Proceedings of Bridges 2018: Mathematics, Music, Art, Architecture, Education, Culture* (pp. 507–510). Phoenix, Az: Tessellations. <http://archive.bridgesmathart.org/2018/bridges2018-507.pdf>.
- (44) Nimkulrat, N., & Groth, C. (2018). Editorial: Experiential Knowledge in Collaborative Interdisciplinary Design Research. In C. Storni, K. Leahy, M. McMahon, P. Lloyd, & E. Bohemia (eds.) *Proceedings of 2018 Design Research Society Conference (DRS2018) Vol. 4* (pp. 1548–1550). 25–28 June, Limerick, Ireland. <https://doi.org/10.21606/drs.2018.012>.
- (45) Norris, J., Karana, E., & Nimkulrat, N. (2018). 'Conversing WITH Materials' How do we converse with materials and other beings to co-design equitably?. In S. Prendeville, A. Durrant, N. O' Murchú, & K. Leahy, A. (eds.) *Book of DRS2018 Conversation* (pp. 35–43). Limerick, Ireland: University of Limerick. <https://doi.org/10.21606/drs.2018.711>.
- (46) Nimkulrat, N., Oussoren, A., Doyle, K., & Day Fraser, H. (2018). Collaborative Making in Craft and Virtual Reality. In *Cumulus Conference Proceedings Paris 2018 – To get there: designing together* (pp. 1030–1055). Helsinki, Finland: Cumulus Association.
- (47) Matthews, J., & Nimkulrat, N. (2017). Intertwined: Cross-Disciplinary Collaboration Utilising Mathematical Techniques for Knotted Textile Design. In *Proceedings of INTERSECTIONS // Collaborations in Textile Design Research*. London, UK: Loughborough University London.
- (48) Nimkulrat, N., Matthews, J., & Nurmi, T. (2017). Tiling Notation as Design Tool for Textile Knotting. In D. Swart, C. Séquin, & K. Fenyvesi (eds.) *Proceedings of Bridges 2017: Mathematics, Music, Art, Architecture, Education, Culture* (pp. 491–494). Phoenix, Az: Tessellations. <http://archive.bridgesmathart.org/2017/bridges2017-491.pdf>
- (49) Nimkulrat, N., & Matthews, J. (2016). Designing Knotted Textiles Based on Mathematical Diagrams. In *Post Symposium Publication of 1st International Symposium Young Textile – Education – Current State, Directions, Prognosis for Future* (pp. 18–23). Łódź, Poland: Akademia Sztuk Pięknych.

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- (50) Matthews, J., & Nimkulrat, N. (2016). Mathematical diagrams – A bridge to Collaborative Enquiry in Textile Design. In *Proceedings of Drawing Research Network 2016*. Loughborough, UK: Loughborough University.
- (51) Nimkulrat, N., & Matthews, J. (2016). Novel Textile Knot Designs through Mathematical Knot Diagrams. In E. Torrence, B. Torrence, C. H. Séquin, D. McKenna, K. Fenyvesi, & R. Sarhangi (eds.) *Proceedings of Bridges 2016: Mathematics, Music, Art, Architecture, Culture* (pp. 477–480). Phoenix, Az: Tessellations. <http://archive.bridgesmathart.org/2016/bridges2016-477.pdf>
- (52) Nimkulrat, N. (2016). Introduction: Experiential Knowledge. In P. Llyod & E. Bohemia. *Proceedings of 2016 Design Research Society 50th Anniversary Conference (DRS2016)* Vol. 8 (pp. 3177–3180). Brighton, UK: Brighton University. DOI: 10.21606/drs.2016.607.
- (53) Nimkulrat, N., & Matthews, J. (2015). Ways of Being Strands: Exploration of Textile Craft Knots by Hand and Mathematics. In *Proceedings of Research Through Design (RTD2015) 21st Century Makers and Materialities*. <http://dx.doi.org/10.6084/m9.figshare.1327996>
- (54) Nimkulrat, N., & Matthews, J. (2014). From Mathematical Diagrams to Knotted Textiles. In G. Greenfield, G. W. Hart, & R. Sarhangi (eds.) *Proceedings of Bridges Seoul 2014: Mathematics, Music, Art, Architecture, Culture* (pp. 219–224). Phoenix, Az: Tessellations. <http://archive.bridgesmathart.org/2014/bridges2014-219.pdf>
- (55) Seager, R., Chauraya, A., Bowman, J., Broughton, M., & Nimkulart, N. (2014). Fabrication of Fabric Based Frequency Selective Surfaces (FSS). In *Proceedings of EuCAP 2014 - The 8th European Conference on Antennas and Propagation* (pp. 1978–1980). The Hague, The Netherlands: World Forum.
- (56) Nimkulrat, N., & Matthews, J. (2013). Mathematical Textiles: The Use of Knot Theory to Inform the Design of Knotted Textiles. In *Proceedings of the 5th International Congress of International Association of Societies of Design Research (IASDR 2013)* (pp. 1048–1059). Tokyo, Japan: Shibaura Institute of Technology.
- (57) Nimkulrat, N. (2012). Voice of Material in Transforming Meaning of Artefacts. In *Proceedings of Design Research Society Conference (DRS2012)* (pp. 1367–1380), Bangkok, Thailand: Chulalongkorn University.
- (58) Mäkelä, M., & Nimkulrat, N. (2011). Reflection and Documentation in Practice-Led Design Research. In *Proceedings of Nordes 2011 Conference*, Helsinki, Finland: Aalto University School of Art and Design.
- (59) Nimkulrat, N. (2011). Problems of Practice-Based Doctorates in Art and Design. In *Proceedings of the 2nd International Conference on Professional Doctorates (ICPD2)* (pp. 58–61). Lichfield, UK: UK Council for Graduate Education.
- (60) Nimkulrat, N. (2009). Material Inspiration: The Practice-Led Research of a Craft Artist. In *Proceedings of Creativity & Cognition 2009 Conference* (pp. 459–460). New York, NY: Association for Computing Machinery.
- (61) Nimkulrat, N. (2009). Materialness: Expressive Qualities of a Physical Material in Textile Design Creativity. In *Proceedings of the 3rd International Congress of International Association of Societies of Design Research (IASDR 2009)* [CD ROM]. Seoul, South Korea: Korea Society of Design Science.
- (62) Nimkulrat, N. (2009). Creation of Artifacts as a Vehicle for Design Research. In *Proceedings of Nordes 2009 Conference*. Oslo, Norway: The Oslo School of Architecture and Design.

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- (63) Nimkulrat, N. (2009). Craft Designer as Researcher: Theorising Design from Practical Perspectives. In J. Verbeke & A. Jakimowicz (eds.) *Communicating (by) Design* (pp. 483–491). Brussels, Belgium and Göteborg, Sweden: Hogeschool voor Wetenschap & Kunst - School of Architecture Sint-Lucas and Chalmers University of Technology.
- (64) Nimkulrat, N. & Berg, A. (2007). Meaningful Objects: Complementary Research Documentation of Experiential Qualities in Art and Design. In *Proceedings of Design Semiotics in Use Conference*. Helsinki, Finland: University of Art and Design Helsinki.
- (65) Nimkulrat, N. (2007). Expressive Materials and the Making Practitioner. In *Proceedings of the Annual Conference of Design History Society*. Kingston, UK: University of Kingston.

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- (66) Nimkulrat, N. (2017). Research by Hand: Craft Making as Research Method. In *Proceedings of the 1st Canadian Craft Biennial Symposium: Can Craft? Craft Can!*. Burlington and Toronto: Craft Ontario.
- (67) Nimkulrat, N. (2013). Situating Creative Artifacts in Art and Design Research. In *Proceedings of Making – an International Conference on Materiality and Knowledge* (p. 65). Notodden: Telemark University College and Nordfo.

Journal Special Issues

- (68) Nimkulrat, N., Groth, C. Tomico, O., & Valle-Noronha, J. (eds.) (2020). Knowing Together – Experiential Knowledge and Collaboration. *CoDesign*, 16(4).
- (69) Karana, E., Nimkulrat, N., Giaccardi, E., Niedderer, K., & Fan, J. N. (eds.) (2019). Alive. Active. Adaptive: Experiential Knowledge and Emerging Materials. *International Journal of Design*, 13(2).
- (70) Nimkulrat, N., de Freitas, N., Pantouvakis, S., & Seitamaa-Hakkarainen, P. (eds.) (2016). Experience, Materiality, Articulation. *Studies in Material Thinking*, 14.
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- (71) Nimkulrat, N., Niedderer, K., & Evans, M. (eds.) (2015). Experiential Knowledge, Expertise and Connoisseurship. *Journal of Research Practice* 11(2).
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- (72) Mäkelä, M., Nimkulrat, N., & Heikkinen T. (eds.) (2014). Drawing as a Research Tool: Making and Understanding in Art and Design Practice. *Studies in Material Thinking*, 10.
<http://www.materialthinking.org/volumes/volume-10>
- (73) Mäkelä, M., Nimkulrat, N., Dash, D. P., & Nsenga, F.-X. (eds.) (2011). On Reflecting and Making in Artistic Research. *Journal of Research Practice*, 7(1).
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- (74) Nimkulrat, N., Kuusk, K., Valle Noronha, J., Groth, C., & Tomico, O. (eds.) (2019). *Knowing Together – experiential knowledge and collaboration. Proceedings of International Conference 2019 of the Design Research Society Special Interest Group on Experiential Knowledge (EKSIG 2019)*. Tallinn, Estonia: Estonian Academy of Arts. <https://eksig.org/PDF/EKSIG2019Proceedings.pdf>
- (75) Karana, E., Giaccardi, E., Nimkulrat, N., Niedderer, K., & Camere, S. (eds.) (2017). *Alive. Active. Adaptive. Proceedings of International Conference 2017 of the Design Research Society Special Interest Group on Experiential Knowledge (EKSIG 2017)*. Delft, The Netherlands: Delft University of Technology. <https://eksig.org/PDF/EKSIG2017Proceedings.pdf>
- (76) Bang, A. L., Buur, J., Lønne, I. A., & Nimkulrat, N. (eds.) (2015). *Tangible Means – Experiential Knowledge Through Materials: Proceedings of International Conference 2015 of the Design Research Society Special Interest Group on Experiential Knowledge (EKSIG 2015)*. Kolding, Denmark: Design School Kolding University of Southern Denmark. <https://eksig.org/PDF/EKSIG2015Proceedings.pdf>
- (77) Popovic, V., Blacker, A., Luh, D.-B., Nimkulrat, N., Kraal, B., & Nagai, Y. (eds.) (2015). *Interplay: Proceedings of the 7th International Congress of International Association of Societies of Design Research (IASDR 2015)*. Brisbane, Australia: Queensland University of Technology. https://eprints.qut.edu.au/215328/1/IASDR_Proceedings_Final_Reduced.pdf
- (78) Nimkulrat, N., Niedderer, K., & Evans, M. (eds.) (2013). *Knowing Inside Out – Experiential Knowledge, Expertise and Connoisseurship: Proceedings of International Conference 2013 of the Design Research Society Special Interest Group on Experiential Knowledge (EKSIG 2013)*. Loughborough, UK: Loughborough University. <https://eksig.org/PDF/EKSIG2013Proceedings.pdf>
- (79) Nimkulrat, N. (ed.) (2007). *Connections between Research and Art/Design Practice: Proceedings of The Art of Research 2007 Conference*. Helsinki, Finland: University of Art and Design Helsinki.

Reviews and Reports

- (80) Nimkulrat, N. (2019, December 3). Conference Report: EKSIG 2019. *Design Research Society*. <https://www.designresearchsociety.org/articles/conference-report-eksig-2019>
- (81) Nimkulrat, N. (2014). Review of Ornamentaalne Exhibition, Tallinn Art Hall, Tallinn, Estonia, 28 June–27 July 2014. *Journal of Textile Design Research and Practice*, 2(2), 201–208.
- (82) Nimkulrat, N. (2014). Review of the 5th International Congress of International Association of Societies of Design Research (IASDR 2013), Shibaura Institute of Technology, Tokyo, Japan, 26–30 August 2013. *Craft Research*, 5(1), 131–135.
- (83) Nimkulrat, N. (2013, 13 June 2013). The Invention of Craft by Glenn Adamson [Review of the book *The Invention of Craft*, by G. Adamson]. *Times Higher Education*, 2105, 50–51. <https://www.timeshighereducation.com/books/the-invention-of-craft-by-glenn-adamson/2004645.article>