

# LIST OF PUBLICATIONS

Nithikul Nimkulrat

## 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., Ræbild, U., & Piper, A. (eds.) (2018). *Soft Landing* [Cumulus Think Tank Publication Series]. Helsinki, Finland: Aalto University School of Arts, Design and Architecture.
- (3) Nimkulrat, N., Kane, F., & Waltan, K. (eds.) (2016). *Crafting Textile in the Digital Age*. London: Bloomsbury Academic.
- (4) 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

- (5) 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.
- (6) 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.
- (7) 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.
- (8) 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

- (9) 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>

- (10) Nimkulrat, N., & Matthews, J. (2017). Ways of Being Strands: Cross-Disciplinary Collaboration Using Craft and Mathematics. *Design Issues*, 33(3). 59–72. doi: 10.1162/DESI\_a\_00461
- (11) Nimkulrat, N. (2017). Storytelling Through Interactive Screens. *Estonian Art* 17(2), 77–81.
- (12) 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](https://www.materialthinking.org/sites/default/files/papers/0176_SMT_V14_P00_FA.pdf)
- (13) 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>
- (14) Nimkulrat, N. (2015). Research through Design as a Discursive Dissemination Platform. *Constructivist Foundation*, 11(1), 26–28.
- (15) Nimkulrat, N. (2014). I Wondered. *Stimulus Respond*, Spring 2014, 30–34.
- (16) 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](http://www.materialthinking.org/sites/default/files/papers/SMT_V10_00_Editorial_0.pdf)
- (17) Nimkulrat, N. (2013). Situating Creative Artifacts in Art and Design Research. *FORMakademisk*, 6(2), Article 4. <http://journals.hioa.no/index.php/formakademisk/article/view/657/619>
- (18) 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, DOI: 10.1049/el.2013.2314.
- (19) 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>
- (20) 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>
- (21) Nimkulrat, N. (2010). Material inspiration: From Practice-Led Research to Craft Art Education. *Craft Research*, 1(1), 63–84.
- (22) 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.
- (23) 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>
- (24) Nimkulrat, N. (2005) The Supervision at the Early Stage of Conducting Design Research. *Idadedaimagem*, 3, 70–73.

## Peer-Reviewed Conference Papers

- (25) Nimkulrat, N. & Nurmi, T. (2018). Knot Designs Based on Rhombille Tiling Notations. In E. Torrence, B. Torrence, C. H. Séquin, K. Fenyvesi, and 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>
- (26) 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). Limerick, Ireland: University of Limerick. DOI: 10.21606/dma.2018.012.
- (27) Nimkulrat, N., Oussoren, A., Doyle, K., & Day Fraser, H. (2018). Collaborative Making in Craft and Virtual Reality. In *Proceedings of Cumulus Paris 2018 – To get there: designing together*. Paris, France: Écoles Supérieures d'Arts Appliqués de Paris.
- (28) 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. <http://www.lboro.ac.uk/departments/aed/staff-research/intersections/>
- (29) Nimkulrat, N., Matthews, J., & Nurmi, T. (2017). Tiling Notation as Design Tool for Textile Knotting. In D. Swart, C. Séquin, and 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>
- (30) 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.
- (31) 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.
- (32) 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, and 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>
- (33) Nimkulrat, N. (2016). Introduction: Experiential Knowledge. In P. Llyod and 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.
- (34) 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>

- (35) Nimkulrat, N., & Matthews, J. (2014). From Mathematical Diagrams to Knotted Textiles. In G. Greenfield, G. W. Hart and 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>
- (36) Seager, R., Chauraya, A., Bowman, J., Broughton, M. & Nimkulrat, N. (2014). Fabrication of Fabric Based Frequency Selective Surfaces (FSS). In *Proceedings of EuCAP 2014 – The 8<sup>th</sup> European Conference on Antennas and Propagation* (pp. 1978-1980). The Hague, The Netherlands: World Forum.
- (37) Nimkulrat, N., & Matthews, J. (2013). Mathematical Textiles: The Use of Knot Theory to Inform the Design of Knotted Textiles. In *Proceedings of the 5<sup>th</sup> International Congress of International Association of Societies of Design Research (IASDR 2013)* (pp. 1048-1059). Tokyo, Japan: Shibaura Institute of Technology.
- (38) 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.
- (39) 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.
- (40) Nimkulrat, N. (2011). Problems of Practice-Based Doctorates in Art and Design. In *Proceedings of the 2<sup>nd</sup> International Conference on Professional Doctorates (ICPD2)* (pp. 58–61). Lichfield, UK: UK Council for Graduate Education.
- (41) 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.
- (42) Nimkulrat, N. (2009). Materialness: Expressive Qualities of a Physical Material in Textile Design Creativity. In *Proceedings of the 3<sup>rd</sup> International Congress of International Association of Societies of Design Research (IASDR 2009)* [CD ROM]. Seoul, South Korea: Korea Society of Design Science.
- (43) 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.
- (44) Nimkulrat, N. (2009). Craft Designer as Researcher: Theorising Design from Practical Perspectives. In J. Verbeke and 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.
- (45) 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.

- (46) Nimkulrat, N. (2007). Expressive Materials and the Making Practitioner. In *Proceedings of the Annual Conference of Design History Society*. Kingston, UK: University of Kingston.

### Peer-Reviewed Conference Abstracts

- (47) 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. <http://canadiancraftbiennial.ca/symposium/september-15/#session1>

### Journal Special Issues

- (48) Nimkulrat, N., de Freitas, N., Pantouvaki, S. & Seitamaa-Hakkarainen, P. (eds.) (2016). Experience, Materiality, Articulation. *Studies in Material Thinking*, 14. <https://www.materialthinking.org/volumes/volume-14>
- (49) Nimkulrat, N., Niedderer, K. & Evans, M. (eds.) (2015). Experiential Knowledge, Expertise and Connoisseurship. *Journal of Research Practice* 11(2). <http://jrp.icaap.org/index.php/jrp/issue/view/24>
- (50) 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>
- (51) 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). <http://jrp.icaap.org/index.php/jrp/issue/view/15>

### Conference Proceedings

- (52) Karana, E., Giaccardi, E., Nimkulrat, N., Niedderer, K., & Camere, S. (eds.) (2017). *Alive. Active. Adaptive. Proceedings of International Conference 2015 of the Design Research Society Special Interest Group on Experiential Knowledge (EKSIG 2017)*. Delft, The Netherlands: Delft University of Technology. <http://www.eksig2017.com/proceedings/>
- (53) 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. [http://experientialknowledge.org.uk/proceedings\\_2015.html](http://experientialknowledge.org.uk/proceedings_2015.html)
- (54) Popovic, V., Blacker, A., Luh, D.-B., Nimkulrat, N., Kraal, B., & Nagai, Y. (eds.) (2015). *Interplay: Proceedings of the 7<sup>th</sup> International Congress of International Association of Societies of Design Research (IASDR 2015)*. Brisbane, Australia: Queensland University of Technology. [http://iasdr2015.com/wp-content/uploads/2015/11/IASDR\\_Proceedings\\_Final.pdf](http://iasdr2015.com/wp-content/uploads/2015/11/IASDR_Proceedings_Final.pdf)

- (55) 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.  
[http://experientialknowledge.org.uk/proceedings\\_2013.html](http://experientialknowledge.org.uk/proceedings_2013.html)
- (56) 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

- (57) 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.
- (58) 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.
- (59) 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>