

Smells: olfactive dimension in designing textile architecture

Designing with non-visual attributes challenges ways of representation. This research explores methods for designing with invisible materiality within the research practice, as well as ways of representation through textiles when designing spaces. Exploring textiles and smells within a space, the research program investigates spatial interactions.

This research focuses on designing embodied experiences using tangible materials as expressions of smells. Through the spatial installations and performances *Sight of smell*, *Touch of smell*, and *Smell, space, and body movement*, haptics were explored as one of the methods of interaction with smells through textiles.

Through the sense of touch, this research also investigates ways of revealing, activating, and disseminating smells within a space. Smells were purposely added through the methods of dyeing, coating, and printing to the textile materials that did not inherently embody any smells. As a result, tactile surfaces create non-visual expressions of smell. Further ideas of research in this area would explore another perspective of designing with smells in spaces. As an example, by designing textiles being smell absorbers, dividers, and reflectors, could compliment the spatial concepts and deals with the already existing smells in a living environment.

In this licentiate thesis thinking through the olfactive dimension to design textiles is not only novel for the textile design field; but also, its proposal for application in the spatial design is quite unique, and offers a new dimension for spatial design.



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ARCHITECTURE

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STUDIES IN ARTISTIC
RESEARCH NO 23 2017



UNIVERSITY OF BORÅS

Licentiate thesis

Editor: Lars Hallnäs

Images: by the author except the Pictures 1 to 6 by Jan Berg

ISBN: 978-91-88269-28-7 (pdf)

Published: November 2017

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