

RESEARCH THEME

Title of the doctoral research The Smart Experience & Next Design Scenarios. Emerging Materials, IoT, and User Involvement in the Smart Age

Proponent professor Marinella Ferrara

Abstract Emerging materials and technologies are contributing to outlining next research perspectives and design practices in different design field (products, fashion, interior, etc.) also in terms of Augmented Reality, Multisensorial Experience and Innovation of Meaning. Investigating how emerging materials, technologies and IoT environments are likely to redesign everyday life discloses the pathway to envision Next Design Scenarios.

Based on a Design-Driven Material Innovation perspective, the research aims to explore further the implementation and the possible applications of technological breakouts in a mindset of Design Thinking and Human Factors approach, centred on a highly creative context of cross-sectors studies, that will also involve psychology, or biology and other disciplines. According to these guidelines, the research outcomes, also in terms of speculative design concepts, will be analysed in the frame of an integrative vision and competences, in collaboration with other research partners.

Objectives of the proposed research are

- i Mapping emerging materials and technologies with its possible integration to product, fashion and interior design
- ii Know-how of current theories related to Material Design, Design practices, and Design- Driven Material Innovation approach involving IoT Solutions
- iii To define design strategies a methodology and tools for Next design scenarios and users involvement in an interdisciplinary studies context.

Keywords Emerging Materials, IoT, Next Design Scenario