

# PROGETTO DI RICERCA

<b>Titolo della ricerca dottorale</b> <i>Title of the doctoral research</i>	Smart Experience. Emerging Materials for a Next Design Scenario
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<b>Abstract</b>	<p>Investigating how emerging materials and technologies are likely to redesign everyday life discloses the pathway to envision <i>Next Design Scenarios</i>. Smart, Interactive, Connected Materials, and <i>IoT</i> will slightly define a relevant shift towards the inclusion of augmented and interactive reality, even within domestic environments, shaping new behaviors and generating advanced communicational issues. Based on a <i>Design-Driven Material Innovation</i> perspective, the research aims to explore further the implementation and the possible applications of these technological breakouts in a mindset of <i>Design Thinking</i> and <i>Human Factors</i> methodology, centered on a highly creative context of cross-sectors studies, that will also involve psychology, and neurosciences. Such an approach will help to better focus on the amplification of the sensorial palette determined by the full experiences related to connected environments and responsive materials, inducing new gestures, interactions, as well as cultural, emotional implications and aesthetic judgments. According to these guidelines, the research outcomes, also in terms of speculative design concepts, will be analyzed in the frame of an integrative vision and competences, in collaboration with other Universities.</p> <p><b>Objectives:</b> Mapping emerging materials; Know-how of current theories related to Material, Design practices, and Design-Driven Material Innovation; Design Thinking approach involving <i>IoT</i> Solutions; Detect strategies and policies of production for open design; Creative contribution to an interdisciplinary studies context.</p>
<b>Parole chiave</b> <i>Keywords</i>	Smart Experience; Emerging Materials; Next Design Scenario.