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<b>Name of the work</b> Music of the Spheres – From Prototyping to Product Realization	
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<p><b>Abstract</b></p> <p>Music of the Spheres allows multiple users of all ages to play and interact simultaneously. The interactive environment consists of a tabletop projection screen and external speakers that present dynamic multimedia when producing music and sounds. Users can interact with the system using different geometric shaped blocks as tangible interfaces.</p> <p>The written part reflects the background research, prototyping and realization outcomes to existing interaction design, prototyping and embodied design paradigms. I interpret the outcomes from a sound designer's point of view. In the Music of the Spheres project I have collaborated with professionals from different design fields. I have had the possibility to learn and share my knowledge with industrial designers, carpenters, glass masters, pedagogues, historians and electronic engineers. In this way, I hope this thesis contributes to the cross-disciplinary design discussion in the field of interactive sound design.</p> <p>In addition, design solutions related to building a low-cost audiovisual multi-touch environment are presented. By familiarizing oneself with this thesis, the reader can expect to gain a good understanding of employing one tested approach for building a functional multi-touch environment.</p>	
<b>Materials</b> Demonstration video files available from: <a href="http://www.tunnelvision.fi/mots">http://www.tunnelvision.fi/mots</a>	
<p><b>Keywords</b></p> <p>Sound in new Media, sound design, audiovisual play environments, user-centered product development, audiovisual interfaces, tangible interfaces, embedded systems, prototyping, experimenting.</p>	