

Augmented Realities, Spatial Perception and Societal Impacts

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Digital media shape our perception of spaces, e.g., by mapping and mobile navigation systems that structure our geographic reality, through augmented reality (AR) games, social media that floods us with news, customized advertisements or geo-tagged photos, videos, and comments about places of interest. Additionally, online and offline realities increasingly converge as AR technology evolves and spreads.

There is however a wide research gap on how the use of AR affects individuals and society at large. For instance, how do digital media and AR change individuals' perception of space? Which values drive AR development and use and how do these manifest? What are potential scenarios of AR propagation and pervasiveness? What are possible impacts of AR use on society and the environment? Which methods are suitable for investigating the use of AR and its impacts? Is there a need for regulation and what are the ethical considerations of this development?

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