

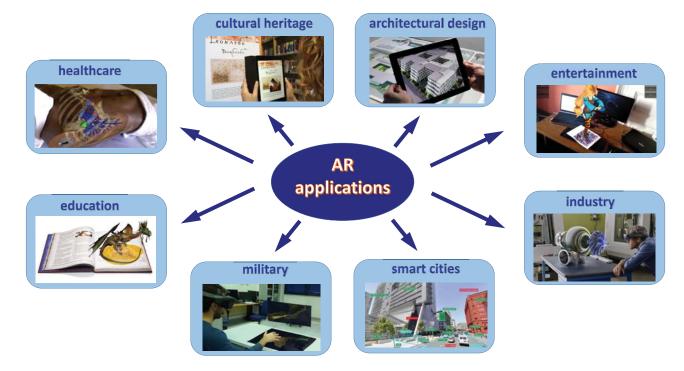


FEM Data Visualization with Augmented Reality

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Augmented reality provides a real-time interactive and immersive 3D experience (which can involve one or more of human senses) where real world objects are combined with additional computer-generated information and virtual objects.

Not only wearable visualization devices, such as head mounted displays or smart glasses, but also handheld displays, such as smartphone, PDAs and tablets, can provide users with such a combined vision.



Augmented reality could be useful in the visualization of results deriving from the application of the Finite Element Method (FEM).

The idea is to exploit the results provided by means of the numerical simulations performed within an advanced FEM environment allowing an augmented data visualization in order to permit the assessment of the multi-physical performances of a specific structure or component.

