Special Issue

Advances in Augmented and Mixed Reality: Tools and Applications

Message from the Guest Editors

Augmented reality (AR) and mixed reality (MR) are technologies that have been around for guite some time now. Although the maturity of these technologies has reached a high level, technological advancements have allowed one to constantly uncover the new, unexploited potential of AR and MR in a variety of application fields (such as the healthcare system, the manufacturing industry, cultural heritage fruition, and the entertainment industry), each with its own specific requirements. Starting from these considerations, this Special Issue intends to collect and readily make available to the readers the most recent advancements in the multidisciplinary approach to research in the AR and MR fields. While the major focus of this Special Issue is the innovative use of instrumental solutions and measurement principles for enhancing the accuracy and robustness of AR and MR systems, this Special Issue will also welcome papers reporting cutting-edge results on different aspects related to AR or MR, thus reflecting the multi-faceted research approach inherent to such systems.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2020)



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The realization of dedicated instrumentation has always been a collateral aspect of experimental research. In addition, many groups dedicate efforts and resources solely to the development of new devices, sensors, equipment and large infrastructure, theoretical and numerical studies, and novel experimental methodologies. With *Instruments* we wish to address both established and emerging communities, also to favor the creation of innovative trans-disciplinary approaches. We see *Instruments* as an exciting highimpact journal that will soon hold a leading position in disseminating cutting edge scientific and technological research.

Editor-in-Chief

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