

Issue on: Recent Advances in Augmented Reality (RADAR)



International Journal of Combinatorial Optimization Problems and Informatics (IJCOPI)

CALL FOR PAPERS

Issue on:

“Recent Advances in Augmented Reality (RADAR)”

Augmented Reality (AR) is emerging as a technology which allows users to see the real world, with virtual objects superimposed with the real world, where virtual objects are computer graphic objects that exist in essence or effect, but not formally. Thomas Caudell coined the term in 1990, referring to a head-mounted digital display that guided workers through assembling electrical wires in aircrafts. Since its dissemination, a lot of research works have been presented in several fields such as military, education, medicine, entertainment among others. AR technology has become increasingly accessible to a wider public mainly due to, the explosion of the use of mobile devices and wearable eyewear devices which includes powerful processors, high resolution cameras and sensors such as GPS, accelerometers, digital compasses and gyroscopes.

AR interfaces have demonstrated how a person can interact with the real world in ways never before possible. Moreover, the mobile AR (MAR) allows to have the augmented experiences anywhere and promote and enhance the collaborative work. Even when AR is not a very new technology its potential in real life activities is beginning to be explored. As a consequence we expect the proposal of a lot AR works in the next years. The aim of the special issue is to call for original cutting edge research papers describing the latest developments, research, trends, and solutions related to AR.

Topics

Topics of interest include, but are not limited to:

- AR authoring tools.
- Tracking and pose estimation algorithms for AR.
- Evaluation methods for AR experiences.
- Display hardware, including 3D, stereoscopic, and multi-user.
- Wearable and mobile AR computing.
- Collaborative interfaces.
- Technology acceptance and social implications of AR.
- Advanced interaction frameworks for AR.
- Accessible AR for everyday devices.
- Knowledge-based AR.
- Spatially AR.
- Ubiquitous AR.
- Computer aided medical procedures with AR.

Guest Editors

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IJCOPI(Indexing/Abstracting)

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IMPORTANT DATES

Paper Submission Due: March 30, 2016
Notification to Authors: August 15, 2016
Camera-Ready Papers Due: September 1, 2016

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for Submission information and additional details