



University of Pavia

Ph.D. School of Electrical and Electronics Engineering and Computer Science

SEMINAR

What is Augmented Reality?

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**Centro Interdipartimentale di Studi e Ricerche per la Conservazione
del Patrimonio Culturale (CISRIC) – University of Pavia**

March 25th 2019 – 11:00 - 13:00

Aula B2, B floor

Via Ferrata 5, Pavia

Abstract: In the last years, we assisted to a growing interest in Augmented Reality (AR) in several different fields, such as industry, medicine, gaming, advertising or cultural heritage. But what really is AR? How is it different from Virtual Reality (VR) or Mixed Reality (MR)? This seminar is intended to provide the bases of AR: first a brief history of this technology; then, the theoretical bases; and finally, the future perspectives. During the seminar, the most used AR library, tools and devices will be presented. As case study, the use of AR for Cultural Heritage will be discussed.

Bio: Piercarlo Dondi received the MSc degree in Computer Engineering at University of Pavia in 2008. In 2012, he completed the PhD in Electronics, Computer Science and Electrical Engineering. Since 2014 he carries out scientific research at the “Arvedi Laboratory of non-invasive diagnostics” of University of Pavia as postdoctoral research fellow. From 2012 to 2014 he worked on different collaborations between companies and laboratories of University of Pavia. His main research topics involve image processing, 3D modeling and Human-Computer interaction applied to Cultural Heritage, with a special focus on the study of historical musical instruments.

Organizer

Prof. Maria Grazia Albanesi

Ph.D. Coordinator

Prof. Paolo Di Barba

Seminar in English

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