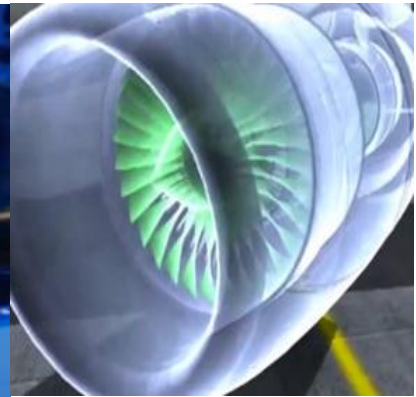# UTC Institute for Advanced Systems Engineering Seminar Series

Dr. Luca F. Bertuccelli
United Technologies Research Center

ENHANCING USER EXPERIENCE IN SERVICE TECHNOLOGIES WITH AUGMENTED REALITY

Friday, July 11, 2014   1 – 2 p.m.   Storrs Campus, Rowe 321

Abstract: This presentation discusses some of the work that we have been performing at the United Technologies Research Center in the areas of service technologies, and specifically exploring the uses of augmented reality (AR). While AR has been extensively studied and there are many commercial applications in existence, there has been less work in the area of usability and user experience in assessing these technologies, especially in industrial systems. This talk will demonstrate some use cases we have been exploring and discuss some of our recent results of AR in aerospace and building systems.

Speaker Bio: Dr. Luca F. Bertuccelli is currently a staff research engineer in human machine interaction / user experience in the Systems Department at UTRC. Prior to this role, Luca was a senior research engineer at UTRC from 2011-2013 where he initiated human machine interaction research at the research center, approaching UTC engineering problems from a user-centered perspective. Luca joined UTRC after being a postdoctoral associate at MIT from 2009-2011 in the Humans and Automation Lab (Department of Aeronautics and Astronautics). Luca received his bachelor's degree in Aeronautical and Astronautical Engineering from Purdue University, and his SM and PhD degrees from MIT in Aeronautics and Astronautics (major area of Controls / Estimation, and minor area in human factors), where his research work was in the area of planning algorithms for complex aerospace systems and human supervisory control. Luca is a former active duty Air Force officer, where he served as a test engineer at Eglin AFB, FL.