

SEMINAR



Speaker: Dr. Amr Almaddah
Department of Electrical and
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Dr. Amr Almaddah received his B.S. degree in Electronic Engineering from King Abdulaziz University, Saudi Arabia in 2007. From 2007 to 2008, he worked for Saudi Hollandi Bank as the western area premises engineer. In 2010 he received the M.S. degree in intelligent systems science and applied informatics from the Department of Systems Innovation in the Graduate School of Engineering Science at Osaka University, Japan, where he also received his Ph.D degree in 2013 from the same department. From the time of his graduation to 2014 he worked as a research associate at King Abdullah Petroleum Studies and Research Center, Saudi Arabia. By the end of 2014 he joined the electrical and computer engineering department in King Abdulaziz University as an Assistant Professor where he also holds the position of the Director of the University Business Incubators. His current research interests include image processing, Human-Robot interaction, industrial robot design, and objects recognition and manipulation. He is a member of the Robotics Society of Japan (RSJ), and the IEEE Society.

Date: Monday, March 9, 2015
Time: 1:00PM
Venue: Engineering Building, Second floor,
Room 24C28 (ECE Seminar Room)

Title

Robotics Perception in Challenging Environments

Abstract

Machine vision is the science concerned with developing theoretical and algorithmic approaches by which useful information is obtained and analyzed from an image or a set of images of a scene of interest. Cluttered environment, due to harsh illumination or complex multi colored scene components, comes out as one of the biggest challenges to the field of machine vision. In this seminar, we discuss the use of the relationship between light and objects albedo to achieve robust visual perception in cluttered environments.

ALL ARE CORDIALLY INVITED