SEMINAR – 03/06

Speaker, invited professor: Marco PORTA -- University of Pavia (Pavia, Italy),
Invited by: Samia BOUCHAFA-BRUNEAU
Time Schedule: 14h30 -16h30
Room: Bx30

TITLE : **"Eye Tracking Technologies and Applications"**

ABSTRACT

An eye tracker is a tool able to detect the user's gaze direction while looking at a screen or other elements in real-life settings. Eye tracking can be exploited in different contexts, from human-computer interaction to indirect observation of the user's gaze behavior for biometrics or e-learning. Thanks to the recent availability of low-cost and reliable devices, now this technology has the potential to become much more widespread than in the past and open the door to new application scenarios.

After an introduction to the basics of eye tracking, the seminar will present some completed and ongoing projects at the University of Pavia (Italy), stressing promises and challenges of current research in this field.

SHORT BIO

Marco PORTA is associate professor at the University of Pavia (Pavia, Italy), working in the research group of the *Computer Vision & Multimedia Lab* of the Department of Electrical, Computer and Biomedical Engineering. His research interests include eye tracking, vision-based perceptive interfaces, visual languages, e-learning, user-centered interface design, and Human-Computer Interaction in general. He is chair of the IEEE-IES Subcommittee on *Computer Vision and Human-Machine Interaction in Industrial and Factory Automation*, secretary of the IEEE-IES Technical Committee on *Factory Automation*, and vice president of the COGAIN (COmmunication by GAze Interaction) Association.