

# Invitation

**November 19**

## **Correlation filter tracking**

**Time: 3:30pm-4:30pm, Tuesday, November 19, 2019**

**Venue: G2-315, 144 Xuan Thuy, Cau Giay, Hanoi**

### **A video-based tracking system for football players analysis using Efficient Convolution Operators**

Multiple Objects Tracking (MOT) is a challenging problem of computer vision that has a wide range of practical applications in CCTV, security, video compression, and sports analysis.

Generally, MOT tracking contains multiple single tracking operating at the same time. It becomes very difficult in cases demanding realtime processing with high accuracy. In such a context, exploiting frequency domain with multiple features such as color, shape, and deep-features has been proposed by many authors to improve both accuracy and performance. This tutorial is addressed to the audience with a general background in tracking problems and introduce a practical application in the tracking of multiple football players.

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Dr. Nguyen Hong Thinh received B.Sc. degree in Electronics and Telecommunications from the University of Engineering and Technology (UET) 2007, Master degree in Information Systems and Technology, Paris Sud 11 (Poles Universitaire Francais programme), 2010, and the Ph.D. degree in computer vision, University Saint-Etienne, University Lyon 1, 2014. She is now a teacher and researcher of the Signal and System laboratory within VNU-UET. Her research interests include image processing, machine learning, and computer vision.

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