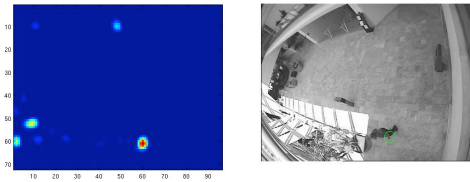# Motion Saliency Map Generations for Video Data Analysis: Spatiotemporal Signatures in the Array Operations
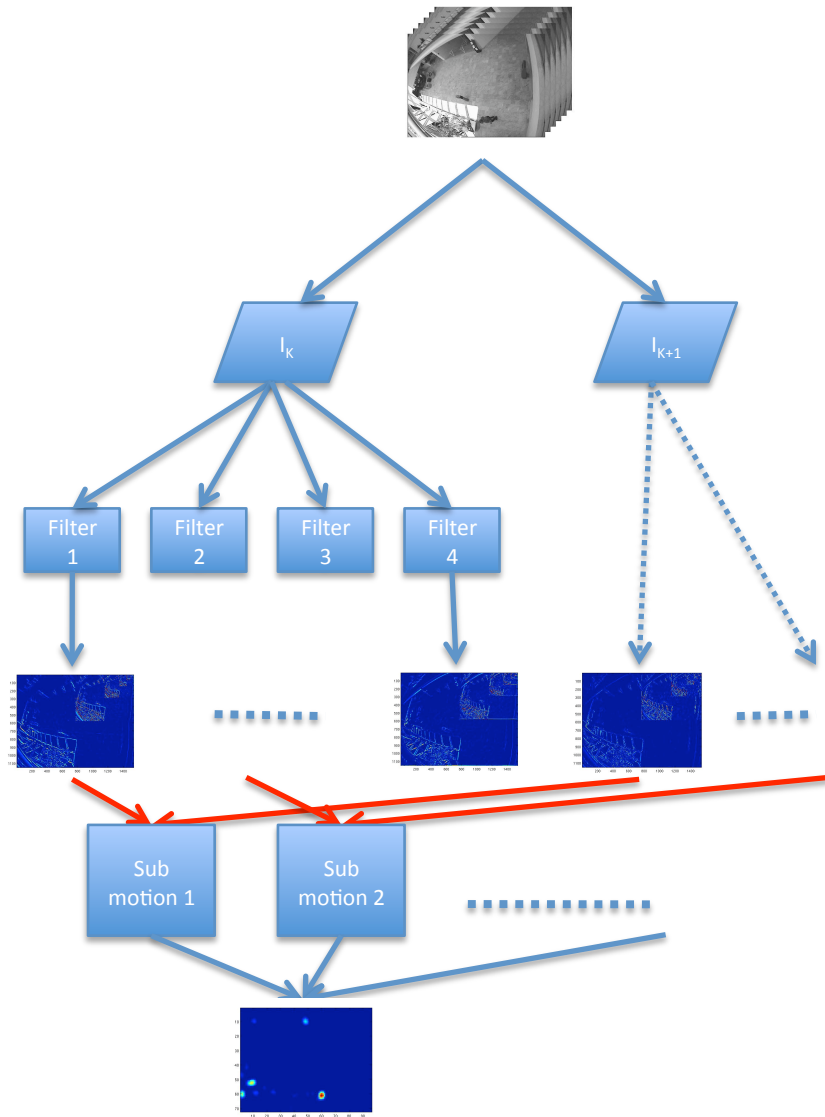
Jun Hu, Nikos Pitsianis and Xiaobai Sun

Duke University

Saliency map saliency ?
color saliency map, intensity saliency map,
orientation saliency map and motion saliency.

Object tracking, Image compression, image
retrieve …

University: MIT, Stanford, CalTech, USC, Duke …
Company: Teledyne, HR …

I_K

I_{K+1}

Filter 1

Filter 2

Filter 3

Filter 4

Sub motion 1

Sub motion 2

Algorithm Complexity   Real-time requirements