

APPLYING METHODS OF PROCESSING THE SEQUENCE OF THE VIDEO FOR SUPPORTING THE URBAN MONITORING

Summary – This article presents applications of video processing theory in the automatic detection of threats in advanced CCTV systems. Several, most common situations were analyzed: pedestrian crossing on the red light, driving in wrong direction on the one-way road. Some other danger situation were also taken into account: too fast object movement (people, cars), smoke or fire, entering on forbidden areas like for example tracks on the tram stop. The algorithms for detection of these situations were proposed. Presented models of the threats were utilized and tested in the algorithms for automatic detection and supporting of CCTV operators, using video processing techniques.