

JOINT EVENT

3rd International Conference on
Forensic Psychology & Criminology3rd International Congress on
Addictive Behavior and Dual Diagnosis

August 16-17, 2018 | Stockholm, Sweden

Land use impact on spatial distribution of crime

The purpose of this workshop is to identify a spatial pattern of urban crime (residential crimes, car crimes, commercial crimes, robbery and fights, and drug crimes) and to evaluate the relationship between aspects of place and clustering of crime. The study focuses on the point incident mapping of (ca. 40.000) urban crimes by address, committed in the years 2005-10 in the Polish large city of Szczecin (ca. 400.000 inhabitants). Hypothetical spatial (punctual, linear or areal) conditions of particular types of urban crime are divided into: generators (i.e. malls, commercial centers and streets, markets, traffic nodes, high schools, sport and entertainment centers etc.), attractors (alcohol shops, night clubs, discotheques, pawnshops etc.), enablers (public housing, youth concentrations, poverty areas, demolished and abandoned areas etc.), distractors (safeguarded buildings and areas, monitored public spaces, churches, cemeteries etc.), and crime-neutral areas. Relationships between the concentrations of particular types of urban crime and the individual and common impact of generators, attractors, enablers, and distractors will be quantitatively evaluated using the GIS and crime mapping methods and techniques (overlapping, buffering, distance), as well as statistical tests.

Biography

Natalia Sypion-Dutkowska has received her PhD in Geosciences in the discipline of Geography from the University of Szczecin (Poland) in 2013. Currently, she is working as an Assistant Professor in the Spatial Management Unit at Faculty of Geosciences, University of Szczecin (Poland) where she has been a Faculty Member since 2004. She received her MSc in Geography from University of Gdańsk (Poland) in 2002, and MSc in GIS from Jagiellonian University (Poland) and University of Salzburg (Austria) in 2008. Her research interests are environmental criminology, geography of crime, GIS and crime mapping. She is a Member of International Association of Crime Analysts (IACA).

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