Urban Flooding Monitoring Using Remote Sensing

Message from the Guest Editors

Dear Colleagues,

About half of humanity currently lives an urban environment, and in the future, the percentage of people living in an urban area will increase, especially in developing countries. Floods are a major threat to urban areas, causing death and a considerable amount of damage to infrastructure. Nowadays, remote sensing data and techniques (e.g., high-resolution data from optical and SAR satellites, LIDAR, and UAV) provide essential help for mapping and studying urban floods. The flooding of urban areas, however, remains a big challenge for remote sensing techniques and researchers, involving complex topography, rapid changes, and river management action (e.g., new embankment) that must be detected and mapped to obtain quality flood assessment.

This Special Issue aims to collect papers on studies describing how remote sensing data and techniques inform and support the decision-making process in the different phases of the disaster management cycle.

Dr. Davide Notti
Dr. Guido Minucci
Guest Editors

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31 August 2020