# Interoperability and Deep Learning for Smart City Implementation and Disaster Monitoring Application

**Jimmy Chou (Chinese Taipei)**

**SUMMARY**

Geospatial information has become wider and more diversified with the rapid development of high technologies, such as ICT, IoT, Big Data, AI and Deep Learning applications. It plays an important role in the planning of smart cities especially for disaster monitoring for earlier warning. Municipal governance such as traffic control, environment monitoring, disaster prevention information is highly based on geographic information system (GIS) functionality and implementation. The resources, information and data of cities can be spatially visualized. The spatially visualized information are not only texts and data, but integrated, coherent and spatially effective information which can be identified and explored and development trends in urban information. This report will bring an important element of Smart Cities that consisting of cohesive and open telecommunication and software architecture, which will underpin the smart, citizen-centric applications that will abound. These applications have been successfully applied in areas of national interest and social need, such as smart environmental management, disaster monitoring and alerting.

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Jimmy Chou (Chinese Taipei)

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