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The Third ACM SIGSPATIAL International Workshop on Querying and Mining Uncertain Spatio-Temporal Data (QUeST) 2012

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Foreword

Querying and mining uncertain data has received a lot of attention from the research community in recent years due to the enormous increase of geographically referenced data occasioned by developments in IT, digital mapping and remote sensing. The global expansion of Geo Information Systems emphasizes the importance of developing data driven inductive approaches to geographical analysis and modeling. An important problem is that collected data often is inherently imprecise and may contain incomplete, inaccurate or outdated information. Such data arises particular in dynamic environments. Traditional querying and mining approaches are often inapplicable or may extract misleading or plain wrong information when applied to uncertain data.
Therefore, modern data management solutions coping with uncertain data are very important for numerous spatio-temporal applications such as location-based services. Querying and mining uncertain spatio-temporal data requires joint effort from multiple research communities. The aim of this workshop is to provide a unique forum for discussing in depth the challenges, opportunities, techniques and applications on the topic of coping with uncertainty in spatial, temporal and spatio-temporal domains.

Peer Kröger and Matthias Renz

QUeST'12 General Chairs

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