Department newsroom

Workshop on Mobile Crowdsourcing for Qatar Smart City: Techniques, Applications and Challenges

On 9th September, Dr. AbdelKarim Erradi held a workshop titled "Mobile Crowdsourcing for Qatar Smart City: Techniques, Applications and Challenges". The ubiquity of mobile devices has elicited the emergence of mobile crowdsourcing where people create new on-demand services through sharing or exchanging resources. Mobile crowdsourcing leverages smartphones and IoT devices with sensing capabilities to collect data from the world around us and share the data across the Internet where it can be processed and utilized for various purposes. This enables the development and deployment of innovative services such as supporting the mobility of the citizens in urban environment, improving traffic safety, efficient traffic routing, and up-to-date view of city's transportation system. Integrating crowdsourcing, IoT and other emerging technologies like big data analytics can help in building smarter infrastructure and provide better public services to achieve the vision of smarter city and smarter living.

The workshop provided the opportunity to gather researchers and practitioners to discuss the aspect of mobile crowdsourcing in Qatar smart city and how this paradigm can contribute in smarter and more efficient transportation ecosystem. Additionally, key contributions of NPRP 9-224-1-049 project "Spatio-Temporal Composition of Sensor Cloud Services" were discussed.