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Location-based Services: Evolution and Development

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We are now living in a mobile information era, which is fundamentally changing science and society. Location Based Services (LBS), which deliver information depending on the location of the (mobile) device and user, play a key role in this mobile information era.

This presentation will review the state-of-the-art in LBS research, and identify several research trends in recent years. These range from mobile guides and navigation systems to more diverse applications, from outdoor to indoor and mixed outdoor/indoor environments, from location based to context-aware, from maps and audio to more diverse and 'natural' interfaces, from technology-oriented to interdisciplinary research, and analysis of big spatial data.

