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Headline: Urban living in the age of the smart city

Urban living in the age of the smart city

Data from devices can allow real-time fine-tuning of traffic flow, for example

Kasthuri Jayarajah

Across the globe, cities like
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human beneavous uses and the well being of people and the well being of students on campus, we found that this technology-assisted, passive sensing of locations does, in fact, confirm many of our intuitions and the well of the well

PUSHING RESEARCH FRONTIERS

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Such large-scale indoor movement analyses, capturing the movement of thousands of tenants or visitors enabling novel applications.
For example, by anticipating how crowded different rooms are, 15 minutes to an hour in advance, smart energy solutions can predictively adjust the cooling or heating level of rooms, saving and comfort levels. We can use such technologies to research human behaviour. For instance, we extracted the students' sleep patterns based on their smartphone app usage (with the sleep duration extracted by continuous non-use of the smartphone).



A commuter checking out interactive "smart boards" at a bus stop. Such boards offer information such as bus timings, the weather and street directory. There are physical books to browse, as well as e-books to download too. Commuters can also use mobile phone charging points and free Wi-FL ST FILE PHOTO

UNDERSTANDING THE CITY

UNDESTANDING THE CITY
We have also been exploring the use of mobility and social media traces to understand the collective dynamics of a city. People leave digital breaderumbs of their digital breaderumbs of their collective control of their collective control of their collective control of their collective understanding of urban mobility. Transportation build the collective understanding of urban mobility. Transportation use planners have traditionally relied on such information,

The Internet of Things is taxis and buses, into connected and communication-ready devices. Analytics applied to these diverse information streams is making smarter living a possibility, across our homes, workplaces and community spaces.

A commuter checking out interactive "smart boards" at a bus stop. Such boards because the books to downtood two. Commuter can also use motile phone charging point of sleep" by deriving specific items on the Pittsburgh Siepe Quality and the Pittsburgh Siepe Quality and sessessment scale, such as overall during sleep.

By correlating such sleep quality measures with their socialising behaviour, captured from their on-campus movement patterns, we will be a support on campus movement patterns, we will be a support on the support of the support

HELPING BUSINESSES THRIVE
Finally, such transportation and social media information can reveal the demand patterns and economic bytancy of individual businesses.

Our ongoing project, in cher from the University of Cambridge, explores the use of data from location-based social networks, along with urban transportation data that helps profile the commuters coming and going from different neighbourhoods to the control of the communities of the commuters coming and going from different neighbourhoods to The communities of t