IEEE Smart Cities Shanghai

Thursday May 19 PDT 4 pm (Friday May 20 Shanghai Time 7 am)

Live Stream

Seattle Washington

Join us for the IEEE Smart Cities session with our neighbors in Shanghai China. Why is Shanghai so impressive? Solutions will be provided, and their smart cities' challenges will be explained. Find out what makes their Smart Cities one of the finest in the world. Analyst firm Juniper Research has ranked Shanghai as the world's number one smart city for 2022. It is followed by Seoul, Barcelona, Beijing, and New York in the top five.

Jiayi Li

Why Shanghai is a Smart City? Shanghai Clone – Digital Twin of Shanghai has real-time data and helps in asset management and future-proofing the city. People-Oriented Smart City digital infrastructure project made it a "Dual Gigabit" city – full 5G coverage in the downtown area and fiber coverage across 99 percent of the city was achieved.

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Jiayi Li is a current PhD candidate at University of Virginia. Her research work focuses on the design and real time control strategies of stormwater Best Management Practices, to optimize the simultaneous reduction of the peak runoff and nutrient pollution from rain events. This is to form a basis on smart city water systems, which combats and mitigates climate change.

Jiayi will speak about the research advances in real time control strategies of stormwater management. She will summarize the current urban water drainage system, the reasons, and risks of increasingly frequent urban flooding, the potential solutions ,and their challenges. She will illustrate the benefits of real time-controlled stormwater best management practices, and the effects of current strategies. She will also present the preliminary results from her current research work.

Smart & Sustainable Cities; Tech as a tool; Net Zero
Qiao Zhou is a consultant at Beijing Boya Smart Technology Co., Ltd · Permanent

Qiao Zhou

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