PAU - Predictive Analytics in Urban Transportation

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Job description: TrafficSense aims at improving the energy efficiency of traffic with a mobile crowdsensing service that learns users’ regular door-to-door routes - composed e.g. of walking, biking, driving a car, or riding a bus - and can detect in real-time the likely routes users are following. Based on the current locations, routes, and destinations of users as well as velocities at road segments, the traffic situation can be determined and short-term predictions generated. Users can be given correct, personalized, and real-time information about the relevant traffic events enabling them to make well-informed transportation choices: take a bus, share a ride, use remote parking, avoid a congestion.

Summer student will be involved in implementing predictive analytics solutions for the needs of TrafficSense research project.