Smart Public Transport

Abstract
In this presentation I will describe how Transport for NSW fleet of buses are tracked in real time. How we use that data to keep buses running on time, to determine the fault state of on board equipment and publish near live data to app developers. This presentation will identify the hardware software and messaging protocols used to provide mechanisms for managing day to day operations of the fleet and to provide near live updates for customers.

Short Bio Tudor Goode
Tudor is a senior user experience design professional and has been developing user centred interventions since the mid 80’s. Tudor believes that computer systems and web sites should be simple, easy and enjoyable to use. This means his work is centred on people and the real world needs and issues they encounter day to day.
Tudor has gained his experience working for some leading organisations within Australia, including: VHA, Optus, Digital Equipment Corporation, Compaq, Transgrid, Blake Dawson, Freehills and Macquarie University. Some of his many user experience and usability engineering assignments included; complex client server GUI interfaces, large scale online customer sales & service portals, mobile apps and fully responsive websites. His current role is as a Senior Human Computer Interaction Specialist at Transport for NSW. In this role he integrated user experience methods into his division governance process and was the principle designer of the Public Transport Information & Priority System (PTIPS) web application. Tudor as Master of Internet Communications from the University of Canberra and a Grad Cert Human Computer Interaction from UTS Sydney. Feel free to connect with Tudor on linkedin here: au.linkedin.com/in/tudorgoode/