

Big Data Analytics for Smart cities

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Abstract. The primary focus of this talk will be on ‘Digital Environment Management’ inclusive of ‘Smart Citizen Engagement.’ Basic human needs include comfort, security, connectivity, to evolve and the need to make money. Big Data, Internet of Things (IOT) and artificial intelligence (AI) are helping us with these basic needs. Any individual wearing, carrying or using an internet connected device is a smart user. A system of interrelated devices enables seamless communications between connected environment & smart users. A localized network of devices installed to seek and deliver service or experiences to smart users. Big Data will be collected in this connected environment, and the followings will be covered in this talk: 1) How does AI affect office buildings/multi-phase buildings now? 2) What AI will be in office spaces in the future? 3) Given that most office buildings, at least in the US, are primitive with little automation, how much will it cost to implement AI capabilities in them? 4) How can Owners of these buildings then profit from the data generated by AI at these buildings? and 5) How does cybersecurity keep everyone safe?

Keywords: Smart city, Big Data, Artificial Intelligence.

Bio: *Ron Espinosa* is a 25+ year veteran of advanced technology solutions. Throughout his career he has delivered solutions that connect people to their environments through technology. Whether utilizing a “bag phone” to power a yacht based PBX, tracking “hard braking” on a motor coach or driving new sales through SMS retargeting, Mr. Espinosa has kept his clients at the very edge of technology delivering tangible results. These projects have involved the United States Department of Transportation, enterprise accounts like Coca Cola, Procter & Gamble, Diageo, L'Oreal and Viacom (to name a few) and covered the gamut of wireless technologies. As CEO, Ron guided Duane, David and Associates (DDA) through two acquisitions (RSC Wireless and Hill Associates) to create a wireless technology consulting firm which became the #1 Value Added Reseller for Brightpoint. DDA created vehicle tracking solutions for intercity bus security as well as an on/off grid communications solution for disaster mitigation (pandemic flu, hurricanes, flooding, etc). The latter resulting in several Capitol Hill presentations and projects. As founder and CEO of Griffin Resource Group, he led the development of an award winning peer to peer money transfer application & social branding platform, created a mobile first retention program for the Affiliate Marketing industry and grew revenues 10x. In his current role, Ron brings IoT solutions to organizations across the globe for SoftServe, Inc. a global solutions provider. Ronald Espinosa can be reached at respi@softserveinc.com