

**Abraham Emmanuel Bio:**

Abraham Emmanuel is Deputy Commissioner for Traffic Safety at Chicago Department of Transportation (CDOT). He is responsible for Intelligent Transportation Systems, red-light and speed enforcement, traffic signals, and traffic crash records. His prior work at CDOT includes the development of Chicago Traffic Tracker system ([www.ChicagoTrafficTracker.com](http://www.ChicagoTrafficTracker.com)) which estimates traffic conditions on Chicago streets in real-time. Emmanuel holds an MS degree in Computer Science from the University of Chicago and an MBA from the Illinois Institute of Technology. He has Certifications in Mobile Application Development from Northwestern University and Database Administration from Oracle Corporation.