



## Smart Airport Security

Shiva Kumar

President, Sundance Tech

/Advisory Board Member, YoGeo, Inc

Fremont, California

[shiva2@comcast.net](mailto:shiva2@comcast.net)



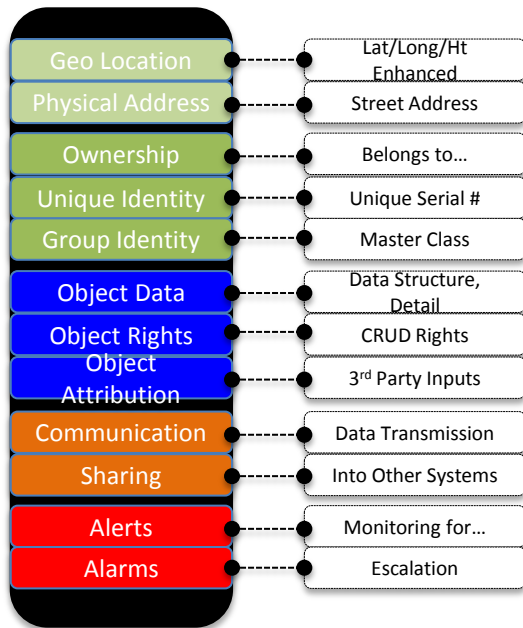
# Problem Statement/Potential Solution

## Problem Statement:

- Ability to track passengers from the time they purchase tickets
- Link the passenger to the vehicles they used to arrive at the airport
- Capture and store red flags and alarms associated with passengers
- Correlate passengers to bags – checkpoint and checked bags
- Risk based screening in an environment where you know exactly where passengers and bags are at any point in time
- Categorizing passengers based on their risk profile and assigning them to the appropriate lane
- Queue management and data analytics to ensure the lines are optimized

## Potential Solution:

- A potential solution is to have unique IDs (smart addresses) for every passenger based on their cell phones
- The solution uses GPS/Google map layer as well as other indoor technologies like wi-fi to track where people are at any point in time
- You have the ability to tie people’s objects to their ID
- Can direct people to appropriate lanes based on various levels of categorization
- Queue management based on people’s cell phones linked to Bluetooth beacons
- Created product/app for a) people to get together for social networking, b) Industrial B2B applications, c) Smart Cities initiative
  - Opportunity to apply this in an airport environment



## **EXAMPLE – Security Checkpoint/Risk Based Screening**

Identification of person: SR12.TS4.FW4.QZ12  
 Location: Lat/Long GPS for checkpoint at airport SR12.TS4.FW4.QY43  
 Group Identity: General population Risk Cat 2 (not TSA-Pre)  
 Inspection equipment/Object id1: SR12.TS4.FW4.RZ14  
 Attribution 1: Algorithm 2 applied to person and baggage  
 Attribution 2: TSO w id: SR12.TS4.FW4.RY12 cleared alarms  
 Aggregation: General Risk Cat 2  
 Linkages/Sharing: With TSA database/Vendor equipment  
 Alerts/Alarms: Passenger risk profile triggers matched to screening procedure; storing of previous alarms

## **High level overview of Smart Addresses:**

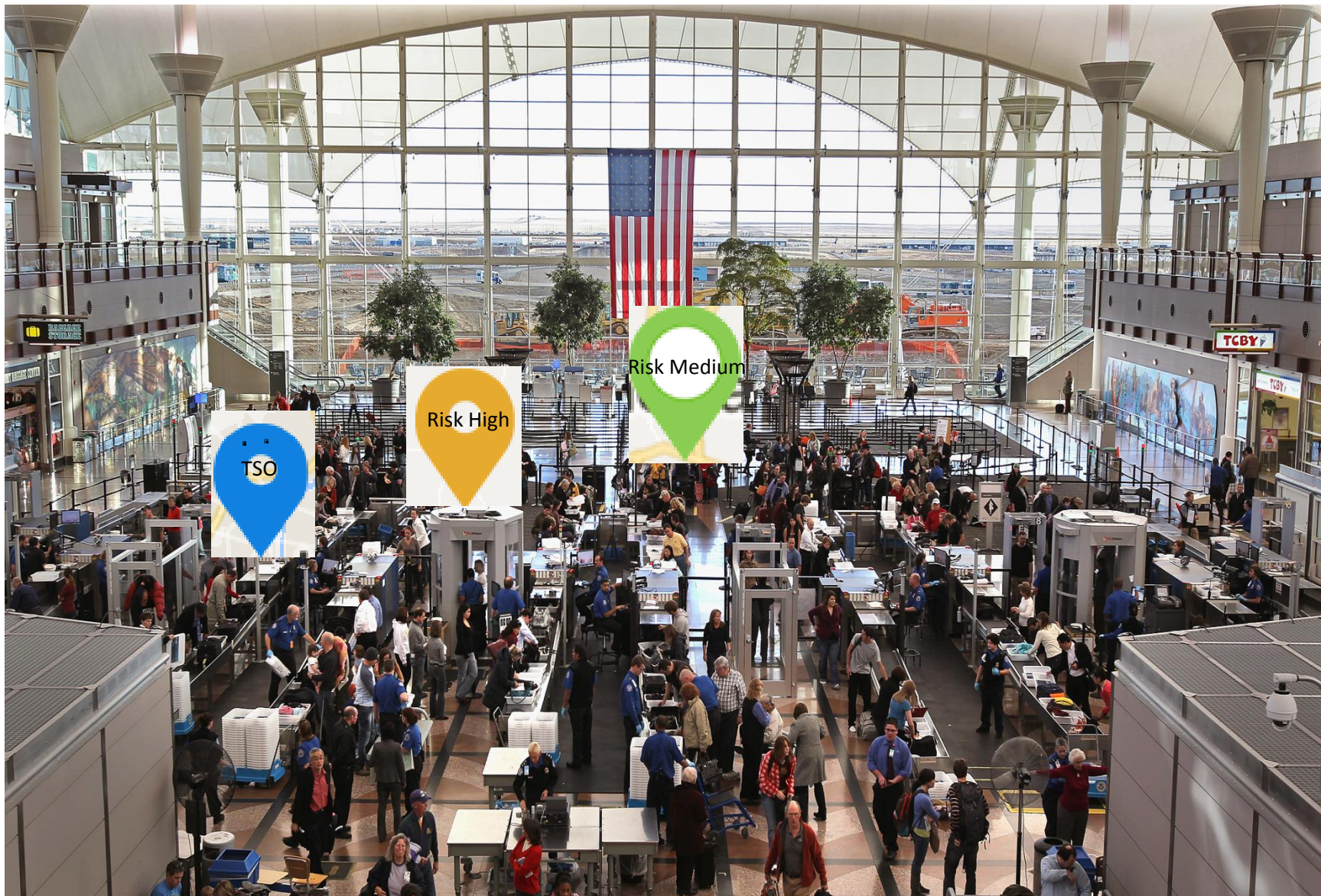
Provides a system for locating any spot on the earth with a unique smart address and allied practical applications .

Define a smart address system based on Lat/Long/Height for every spot on the earth

Identify a unique address code with zoomable focus and

Map all identified locations (homes, businesses) using the code

Smart address can provide a digital address for Every person (static or mobile)  
 Every address (personal and business)  
 Every transmitter (IoT)  
 Every object (lamp pole, tree, road marker)  
 Birds in flight, animals in motion...



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# YoGeo App.....

