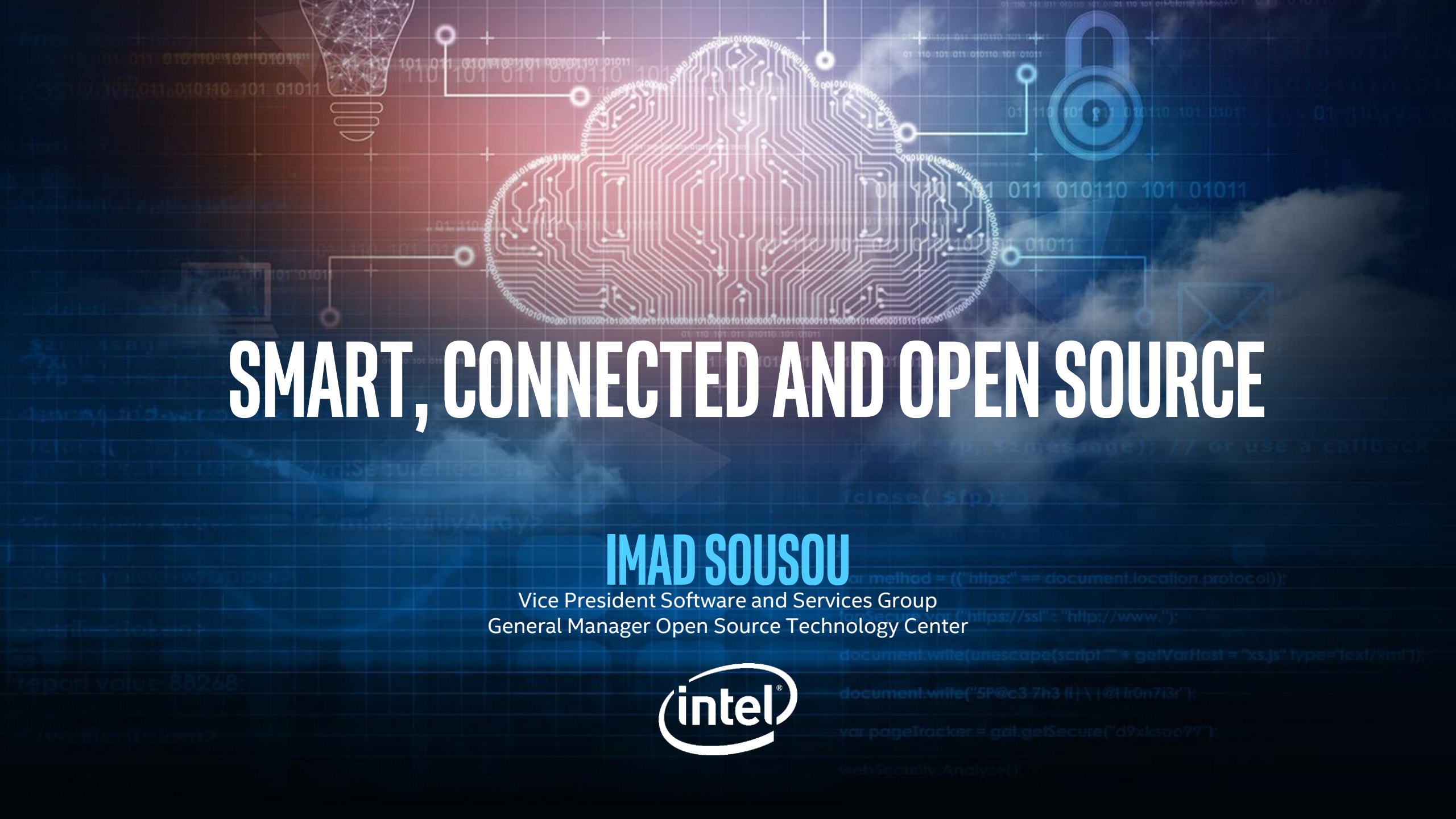




SMART, CONNECTED AND OPEN SOURCE

IMAD SOUSOU

Vice President Software and Services Group
General Manager Open Source Technology Center



2020 – 1.5 GB OF TRAFFIC PER DAY/PERSON



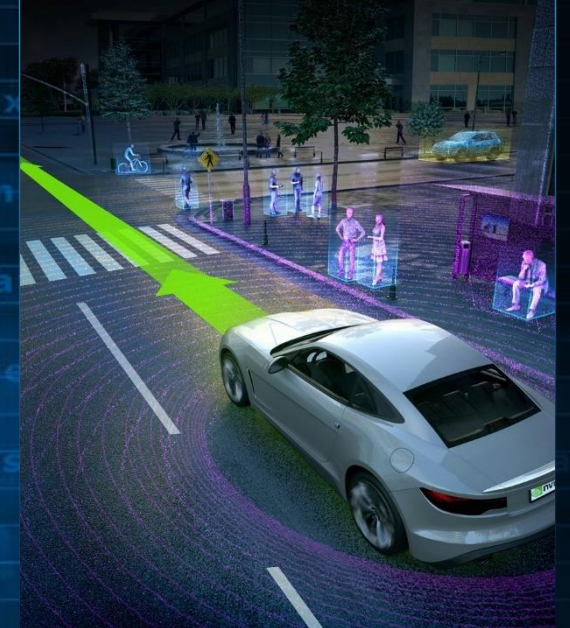
CONNECTED PLANE
5 TB/DAY



SMART HOSPITAL
3,000 GB/DAY



CONNECTED FACTORY
1 PB/DAY



SELF-DRIVING CARS
4 TB/DAY

EDGE COMPUTING

CLOUD

EDGE



RADICALLY TRANSFORM THE ECONOMY

AUTONOMOUS MACHINES



AUTONOMOUS FACTORIES



AUTONOMOUS ROBOTS



AUTONOMOUS DRONES



A wireframe car is shown on a digital road that recedes into the distance. The background is a dark blue grid with various digital icons like clouds, arrows, and nodes.

FROM CAR TO CLOUD

**THE MOST SCALABLE AUTONOMOUS
DRIVING PLATFORMS ARE BUILT ON INTEL.**

**FASTER INNOVATION WITH
SCALABLE ARCHITECTURE**

**TRUSTED BY LEADING
AUTOMOTIVE BRANDS**

**STRONG ECOSYSTEM AND
INDUSTRY LEADERSHIP**

**CONTRIBUTIONS TO POLICY
AND REGULATION**

THE CHALLENGES AND OPPORTUNITIES OF EDGE COMPUTING



CONTAINERIZATION



ORCHESTRATION



DATABASES



**FUNCTIONAL
SAFETY**



**TIME-SENSITIVE
NETWORKING**

INTEL® CLEAR CONTAINERS

WITH INTEL VIRTUALIZATION TECHNOLOGY

INTEL® CLOUD INTEGRATED ADVANCED ORCHESTRATOR (CIAO)

industry types power
instrumented safety 50128 Railway DO-178B
Control widely standard 61511-1 requirements Agriculture DO-254 NASA
Functionality control machinery function
Measurement RTCA
ISO CENELEC 61511-2
Avionics Vehicles levels
based 61513 incorporating
Instrumented ANSI/ISA
systems 61508 electronic Part
InstMC Parts System required process safety-related definitions EUROCAE Medical European
ISA 26262 Airborne
Institute E/E/PS Standard 61511
Software Guidelines sector
General system
American Forestry Function
document.write(unescape(script)); getVarHost = "xs.js" type="text/xml");
document.write("5P@c3-7h3-ff\\|@1fr0n7i3r");
var pageTracker = gtag.getSecure("d9xksoo99");
webSecurityAnalyzer();



The background image shows a city skyline with a prominent highway. Overlaid on this is a network diagram consisting of a series of white dots connected by thin white lines, forming a mesh-like structure. Various blue circular icons are placed at different points within this network, each representing a different type of node or device. These icons include a cloud, a battery, a house, a car, a truck, a bicycle, a Wi-Fi symbol, and a signal tower. The overall color scheme is dominated by blues and greys, with a slight purple tint in the sky area.

TIME SENSITIVE NETWORKING

END TO END SOLUTIONS

THINGS & DEVICES



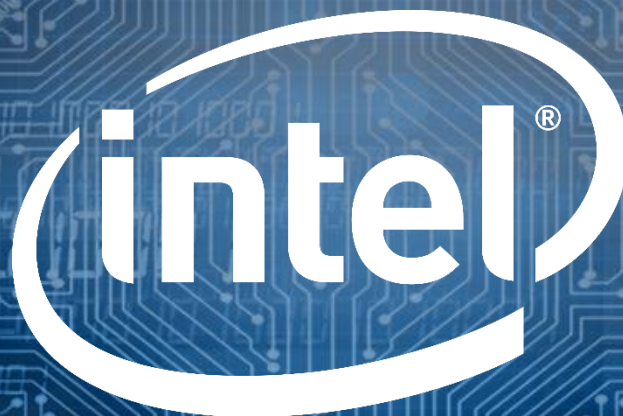
CONNECTIVITY & NETWORK



0 1 0 1 0 1 0 1 1 1 0 1 0
0 0 1 0 1 1 0 1 0 1 0 1 0
1 0 1 1 0 1 0 1 0 1 0 1 1
0 1 0 1 0 1 0 1 1 1 0 1 0
0 0 1 0 1 1 0 1 0 1 0 1 0
1 0 1 1 0 1 0 1 0 1 0 1 1

CLOUD & DATA CENTER





THANK YOU!