**TEL AVIV & JERUSALEM**

May 17-22, 2020

# SYM-POSIUM 2020

## THE CONNECTIVITY CHALLENGES

SILICON WADI

In partnership with

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# TEL AVIV & JERUSALEM

## May 17-22, 2020

# SYM-POSIUM 2020

## A UNIQUE EVENT

At the crossroads of technological developments and networks convergence, the Symposium is a major biennial event for data & telecom & automotive industry, originated and hosted by ACOME since 1988. It brings together 200 superfast broadband rollout and connected mobility stakeholders, and provides a forum in which experience is shared.

- A packed program : +50 speakers over 2 ½ days ;

- Attendance by all the major telecom & data networks and automotive industry stakeholders : a unique environment with exceptional networking opportunities (6 days/ 5 nights) ;

- An international perspective tailored to reflect the latest developments in networks and cabling systems ;

## ONE SYMPOSIUM, 2 DESTINATIONS

- An immersive day-long tour of "Silicon Wadi" (Tel Aviv & Jerusalem learning expedition) ;

- High-quality accommodation and services at Dan Panorama (4*) in Tel Aviv-Jaffa, facing the sea, in the Neve Tzedek neighbourhood, and the Inbal (5*), short distance away from the Old City of Jerusalem ;

- A specially designed cultural program for accompanying guests.

# A DESTINATION AT THE HEART OF INNOVATION

- Apart from Silicon Valley, the highest concentration of high-tech companies and innovation ecosystem is to be found in Israel. It is a start-up nation with a strong entrepreneurship culture. Connected mobility is the 2nd largest business sector for the country.

- Tel Aviv, which is known as "The city that never stops" is at the spearhead of technological developments : named the best smart city in the world during the 2014 Smart City Expo World Congress in Barcelona, providing an excellent public education system with prestigious universities and respected research establishments (the Technion Israel Institute of Technology, the Weizmann institute, …), Nobel prizes, incubators and the research centers of most hi-tech giants.

## WHO IS THE SYMPOSIUM DESIGNED FOR?

- Elected officials, state and government departments, local authorities and industry bodies
- Industry regulators, telecoms service providers, PPP operators, vehicle manufacturers, equipment and other manufacturers, investors and financial institutions, and service companies
- Designers, installers, integrators and trade distributors
- Funding partners, real estate developers and co-ownership management syndicates
- Architects, construction companies and specifiers
- Journalists

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# +50 SPEAKERS IN 2,5 JOURS

## Symposium structure

- Sessions chaired by representatives of the press ;

- Lectures, round-table discussions and 20-minute presentations (with or without video projection) and audience Q&A ;

- Presentations are made in French or English (with simultaneous translation)

# 1 LATEST DEVELOPMENTS IN COMMUNICATION NETWORKS

## Evolution in telecoms infrastructures

- FTTx and beyond?
- New challenges from dense zones to less dense zones
- The transition to fixed/ mobile network convergence
- The arrival of millimeter wave technologies (5G-TTH, MIMO, etc.)
- Practical IoT applications and uses
- SDN, NFV, cloud computing and edge computing

## Smart building & data center

- Mobile coverage in buildings
- 5G : which DAS (Distributed Antenna System) infrastructure for indoor mobility ?
- Sigfox, Lora, Nbiot, ... : which ioT indoor coverage ?
- POL vs FTTO : how to choose the appropriate architecture ?
- Workstations in 2025
- Environmental regulations (2020ER) : would direct current challenge alternating current ?
- Feedback on smart lighting
- The future of fire safety networks
- Supply of electric current, fire behaviour : new risks to manage
- Smart building : second life of automotive batteries ?
- The future of data center proximity
- Economic and technological models for the rollout of FttX outside dense zones

## Economic and technological models for the rollout of FttX outside dense zones

- Economic and financial models
- The complementarity and modularity of access technology options (FTTH, RTTH, xDSL, ...)
- Challenges and opportunities in emerging countries
- Telecoms infrastructure rollout strategies and examples in the EMEA region

# 2 CONNECTED MOBILITY

## Towards connected mobility

- New business models
- New uses
- New market stakeholders
- Legislation, regulation and ethics
- Current and future initiatives and experiments

## From smart city to smart territories

- The new infrastructure needs of tomorrow's cities
- Are we seeing a transition to energy/ data convergence?
- New business models
- New uses for smart networks

- Feedback from smart cities: Nice, Dijon, Singapore and others
- Public transport as a key application
- The 5G perspectives through the Greater Paris project & the 2024 Olympics in Paris
- Network architectures in buildings (POLAN, etc.)
- GPON to manage IoT in smart city
- The impact and outlook for new technologies (LiFi, micro-cell/ femtocell, ...)

## Smart grids

- Power supply network automation
- Energy access and storage challenges
- The challenges posed by growing energy consumption
- Energy savings, environmental footprint and sustainable development
- The energy and digital transitions

## Connected vehicles

- Autonomous vehicles
- Communicating vehicles – V2X / intra-V/ V2V/ V2I – and data requirements
- Vehicle-to-Vehicle Ethernet and High Speed Data networks
- Communication networks and protocols for autonomous vehicles (5G, DSRC, etc.)
- Electrical and communication architectures for the vehicles of the future
- Associated cabling, harnesses and interconnects

## Electric vehicles

- Batteries and energy storage
- Battery charging networks (infrastructures and cables)
- High-voltage vehicle power cables
- Special interconnect requirements

# 3 INNOVATION & PROSPECTIVE

## Innovation & Technologies

- Innovation Management Systems
- The agility of startups versus intrapreneurship
- How can innovation be sustained in major corporate groups?
- Developments in optical fibers (Few-Mode Fiber, Multi-Core Fiber, SDM, etc.)
- Disruptive technologies for mobile coverage (Loon (Google), Aquila (Facebook), etc.)
- New business models for connected objects
- IA, blockchain, big data... impacts and benefits
- New frontiers of innovation (Africa, mobile banking, etc.)

## Prospective

- The vehicle of the future
- The city of the future
- What will it mean to be mobile in 2050?
- Upcoming disruptive technologies (quantum computing, plastronics, AR/VR, etc.)
- The ethical, technical, social and cyber security

May 17-22, 2020

# SYM-POSIUM 2020

## THE CONNECTIVITY CHALLENGES

## PROGRAM

### SUNDAY 17 MAY
- Scheduled direct flight from PARIS to TEL AVIV, arrival in the afternoon
- Opening of the Symposium (5.00 -7.00 pm)
- Private evening (Tel Aviv)

### MONDAY 18 MAY
- Conferences 8.00am-1.00pm/ 2.00-6.00pm
- Visits and private evening (Tel Aviv)

### TUESDAY 19 MAY
- Conferences 8.00am-1.00pm/ 2.00-6.00pm
- Visits and private evening (Tel Aviv)

### WEDNESDAY 20 MAY
- Learning expedition in the "Silicon Wadi" (Tel Aviv/ Jerusalem) : private visits to iconic companies, research centers or start up for telecom network and automotive industry professionals and networking. A unique opportunity to chat, learn and be inspired.
- Visits and private evening (Jerusalem)

### THURSDAY 21 MAY
- Jerusalem discovery, one of the oldest cities in the world, throughout its three thousand year history, a global multicultural fascinating city
- Gala evening (Jerusalem)

### FRIDAY 22 MAY
- Free morning until the transfer to the aeroport
- Arrival in Paris at the end of the day

## REGISTRATION IS NOW OPEN

- **Online: www.acome.com**

- **By post:**
LA FONDERIE. Marie CAYROCHE
61 rue Jules Auffret
93 500 PANTIN

- **By mail:**
mcayroche@la-fonderie.fr

# APPLY TO SPEAK
## BEFORE 9 NOVEMBER 2019

By sending the title and 4 lines summarizing your topic
to the SYMPOSIUM organization committee

## HOW?
**Online:**
www.acome.com

**By post to ACOME:**
52 rue du Montparnasse 75014 PARIS
Attn Céline Giboulot-Gama

**By mail:**
cgg@acome.fr

**By phone:**
+33 1 42 79 14 45

SILICON WADI

All applications will remain confidential and speakers
will be informed personally before the detailed
program is published.

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