

# Cities 4.0

21 - 22 SEPT 2021 | 9am - 5pm (GMT+8)

# REIMAGINING CITY TRANSFORMATION



Smart Living



Smart Mobility



Smart Government



Smart Economy



Smart People



Smart Digital Infrastructure



Smart Environment

Co-Organised by:

**MiGHT**  
Malaysian Industry-Government Group  
for High Technology

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[www.cities4pointzero.com](http://www.cities4pointzero.com)

# OVERVIEW

## Reimagining City Transformation

Cities around the world are reimagining the future, using the pandemic as an opportunity to come up with urban solutions that will make life better and more prepared for crisis. They are aspiring to create greener spaces in their urban areas, improve connectivity, reduce congestion, focus on sustainability, be more adaptive and smarter with technology and materials.

As people have been forced inside, out of schools and workplaces as well as away from one another, new challenges have been presented. Life may not return to the way it once was. Cities will

need to adapt to a new reality and there are no universal solutions.

The hosting of the fourth edition of Cities 4.0 will once again provide the governments, municipalities, urban planners, developers, urban futurists, solution providers and innovators an interactive platform converge and discuss on methods and best practices to re-imagine our fundamental relationship with the cities, the opportunities to work outside their normal methods.

## Key themes of Cities 4.0

- Rethinking Urban Development In A Post Pandemic World
- High Density Development With Low Density Activities – The Way Forward
- Edge-Computing-Enabled Smart Cities: Reshape The City Experience
- From Smart Cities To Connected Communities
- Harnessing Technologies To Transform Disaster Readiness
- Development Of Greener And Cleaner Cities
- New Traffic Patterns And Healthy Mobility
- Decoding The Low-Touch Economy
- Strategies In Developing Secondary Cities Into Smart City

# KEY ELEMENTS OF SMART CITIES



Open Data



Open Culture



Open Standards



Open Infrastructure



Smart Citizen



Smart Utility



Smart Houses



Smart Buildings



Smart Mobility



Smart Energy



Smart Retail



Internet of Things



Smart Governance



Smart Resilience



Smart Health & Sanitation



Open for everyone

# SMART SOLUTIONS

## E-Governance and Citizen Services

- 1 Public Information, Grievance Redressal
- 2 Electronic Service Delivery
- 3 Citizen Engagement
- 4 Citizens - City's Eyes and Ears
- 5 Video Crime Monitoring

## Waste Management

- 6 Waste to Energy & fuel
- 7 Waste to Compost
- 8 Waste Water to be Treated
- 9 Recycling and Reduction of C&D Waste

## Water Management

- 10 Smart Meters & Management
- 11 Leakage Identification, Preventive Maint.
- 12 Water Quality Monitoring

## Energy Management

- 13 Smart Meters & Management
- 14 Renewable Sources of Energy
- 15 Energy Efficient & Green Buildings

## Urban Mobility

- 16 Smart Parking
- 17 Intelligent Traffic Management
- 18 Integrated Multi-Modal Transport

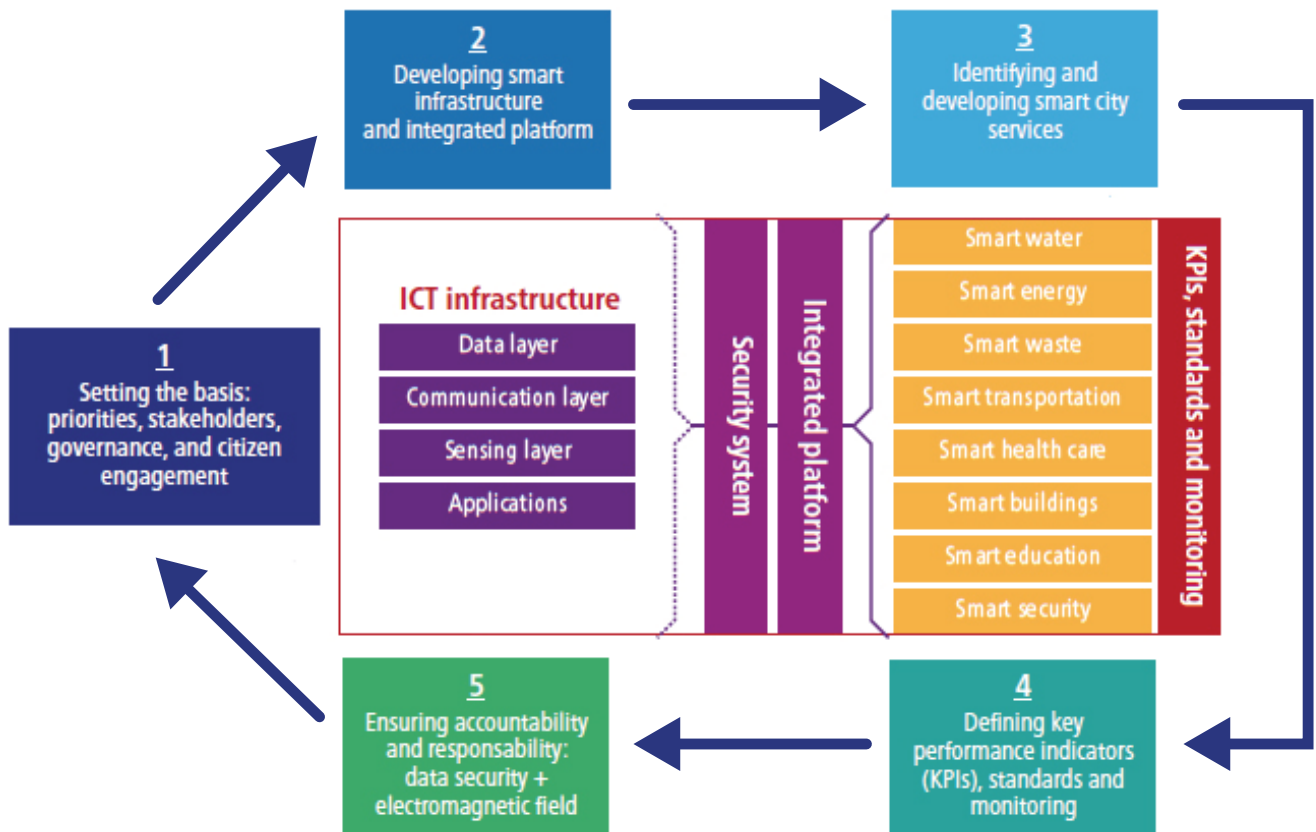
## Others

- 19 Tele-Medicine & Tele Education
- 20 Incubation/Trade Facilitation Centers
- 21 Skill Development Centers

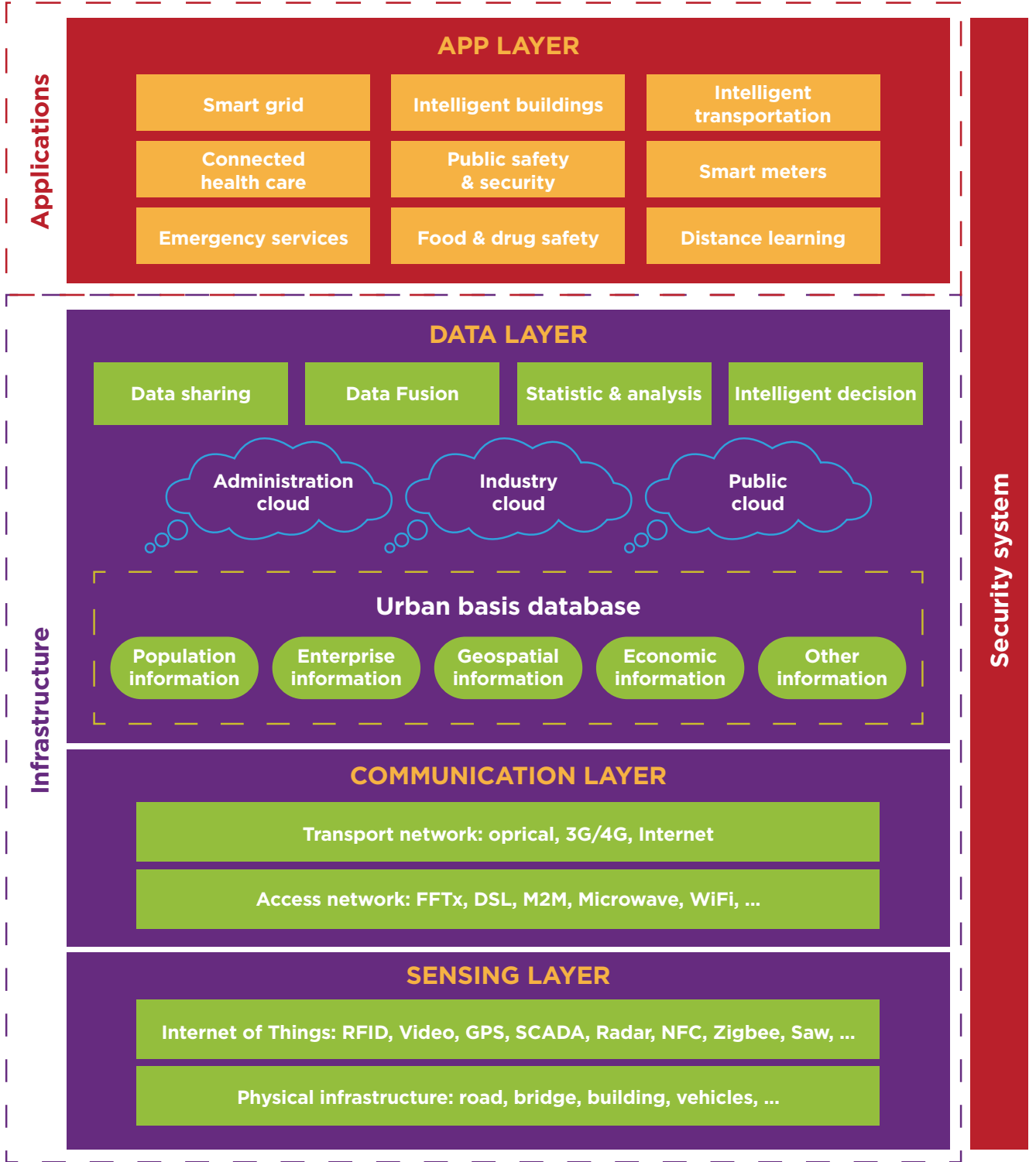
# SMART CITY OPPORTUNITIES AND CHALLENGES



# SMART CITY FRAMEWORK



# ARCHITECTURE OF A SMART SUSTAINABLE CITY



# ► PROGRAM

## DAY ONE: 21 SEPTEMBER 2021, TUESDAY

### OPENING CEREMONY

9:00AM **INTRODUCTORY REMARKS**

9:05AM **SPECIAL ADDRESS**

9:10AM **INAUGURAL ADDRESS AND LAUNCH OF CITIES 4.0 2021 CONFERENCE AND EXHIBITION**

### PLENARY SESSION

9:35AM **Plenary Address 1: Rethinking Urban Development in A Post Pandemic World**

10:00AM **Plenary Address 2: High Density Development with Low Density Activities - The Way Forward**

10:25AM **Plenary Address 3: Inclusive, Green and Smart: A New Urban Paradigm Shift**

10:50AM **Plenary Address 4: The Low-Touch Economy: Is Your City Ready?**

11:15AM **Plenary Address 5: Edge-Computing-Enabled Smart Cities: Reshape the City Experience**

11:35AM Open Forum: Questions and Answers

12:00PM End of Session

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\*This Program is subjected to change and for updated program, please logon on to [www.cities4pointzero.com](http://www.cities4pointzero.com) Program @ 25 January 2021  
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## SESSION ONE: FROM SMART CITIES TO CONNECTED COMMUNITIES

12:30PM	<b>Paper 1: Enhancing City Performance and the Wellbeing of Citizens through Ubiquitous Connectivity</b>
12:55PM	<b>Paper 2: A Sensable City: Deployment of Mobile Sensors for Urban Monitoring</b>
1:20PM	<b>Paper 3: Seamless Virtual Network for Undisrupted Continuity of Business</b>
1:45PM	<b>Paper 4: End-to-end Connectivity Solutions for Remote Schooling</b>
2:10PM	<b>Paper 5: Under One Roof: The Rise of Intergenerational Housing</b>
2:35PM	Open Forum: Questions and Answers
3:00PM	End of Session

## SESSION TWO: HARNESSING TECHNOLOGIES TO TRANSFORM DISASTER READINESS

3:05PM	<b>Paper 6: Deployment of Drones for Real-time Data Collection, Monitoring, Search and Rescue</b>
3:30PM	<b>Paper 7: Mitigating the Impacts of Disaster with Remote Sensing</b>
3:55PM	<b>Paper 8: Integrated Information Centre for Improved Efficiency in Crisis</b>
4:20PM	<b>Paper 9: Tackling Flood and Water Scarcity with Sponge City Technology</b>
4:45PM	Open Forum: Questions and Answers
5:10PM	End of Session

# ► PROGRAM

## DAY TWO: 22 SEPTEMBER 2021, WEDNESDAY

### SESSION THREE: DEVELOPMENT OF GREENER AND CLEANER CITIES

- 9:00AM **Paper 10: Increasing Urban Green Space in Promoting Healthy Living and Wellbeing**
- 
- 9:25AM **Paper 11: Expanded Green Network for Urban Farming for Advancing Food Security**
- 
- 09:50AM **Paper 12: Balancing Urban Development and Efficient Use of Natural Resources**
- 
- 10:15AM **Paper 13: Developing Cities that Recycle, Manage Waste and Use of Renewables**
- 
- 10:40AM Open Forum: Questions and Answers
- 
- 11:00AM End of Session

### SESSION FOUR: NEW TRAFFIC PATTERNS AND HEALTHY MOBILITY

- 11:05AM **Paper 14: Assess and Communicate Traffic Flow, Congestion and Safety through AI and Sensors-enabled Devices**
- 
- 11:30AM **Paper 15: A Move to Driverless and Autonomous Public Transportation**
- 
- 11:55AM **Paper 16: Modifying Existing Road Infrastructure to Facilitate Active Transportation**
- 
- 12:20PM **Paper 17: Improving Urban Air Quality with the Use of Hydrogen Fuel in Transportation**
- 
- 12:45PM Open Forum: Questions and Answers
- 
- 1:05PM End of Session



# ► PROGRAM

## SESSION FIVE: DECODING THE LOW-TOUCH ECONOMY

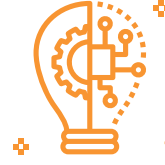
01:35PM	<b>Paper 18: Making Cashless Economy A Reality in Smaller Cities: The Practical Applications</b>
02:00PM	<b>Paper 19: Enriching Retail with Virtual, Simulated and Interactive Experiences</b>
02:25PM	<b>Paper 20: Deployment of Service Robots Replacing High-risk Human Interactions in Service Businesses</b>
02:50PM	<b>Paper 21: Driving Growth in Manufacturing with Low-touch Technologies</b>
03:15PM	<b>Paper 22: On-demand Fleet Management Solutions: Empowering Low-touch Economy</b>
03:40PM	<b>Open Forum: Questions and Answers</b>
04:00PM	<b>INDUSTRY LEADERS FORUM</b>
04:50PM	CLOSING ADDRESS
05:00PM	CITIES 4.0 CONFERENCE 2021 ENDS

# REASONS WHY YOU SHOULD NOT MISS THIS



## UNDERSTAND THE FUTURE TRENDS

Hear from inspiring urban futurist and business innovators on new technologies & applications



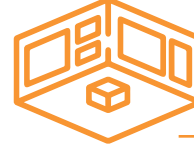
## COMPREHENSIVE CONTENT

Updated information reflecting your most concerned issues in developing smart, resilient and sustainable cities



## DISTINGUISHED PRESENTERS

Renowned best practitioners, industry leaders and innovators sharing insights



## EXTENSIVE SHOWCASE

Discover new and innovative technologies and services within cities for social good, sustainability, resilience and equity



## PREMIUM NETWORKING

Unrivalled networking and exchange of experiences across 15+ countries



## BUSINESS OPPORTUNITY

Explore potential collaborations and with 300+ local and international industry stakeholders



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# SPONSORSHIP PACKAGE IN A GLANCE

Increase your organisation's visibility with key Decision makers before, during and after the event.

	Titanium	Platinum	Gold	Silver	Conference Sponsor
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Logo on Digital Backdrop	✓	✓	✓	✓	✓
Speaking Slot during Conference	✓	✓	✓		✓
10-second Corporate Video via Live Broadcast on Conference Day	✓	✓			
Running Ticker during Live Broadcast	✓	✓	✓		
Panellist in 'Expert Insight @ Live' Forum	✓	✓			
10-second Corporate Video via Live Broadcast on 'Expert Insight @ Live' Forum	✓	✓			
Booth @ Virtual Expo (Valid for 12 months)*	Premium	Premium	Premium	Sponsor	Exhibitor
Conference Log-in	5	4	3	2	3
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Banner on Conference Mobile App	✓	✓			
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Logo & Profile on Conference Mobile App	✓	✓	✓	✓	✓
Logo & Profile on Digital Program Book	✓	✓	✓	✓	✓
Web banner on www.confexhub.com (6 months)	✓	✓			
Logo & Recognition via Conference Social Media Platforms	✓	✓	✓	✓	✓
Business Matching Meetings	5	5	3	3	2

## \*Exhibition Package in A Glance

	Premium	Sponsor	Exhibitor
Booth @ Virtual Expo (Valid for 12 months)*	1st tier	2nd tier	3rd tier
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Conference Log-in	2	1	1
Dedicated Company Info Page	✓	✓	✓
Logo on Company Info Page	✓	✓	✓
Video Presentation on Company Info Page	✓	✓	
Images on Company Info page	8	6	4
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# WHO SHOULD SPONSOR / EXHIBIT:



## Smart Government

Web-base / PBT e-governance applications

- HR system
- Finance system
- Acquisition system

Web-base / PBT e-services applications

- Complain system
- Hire purchase system
- License application system

GIS system

- Urban observatory
- GeoLicensing
- GeoHealth
- GeoLandscape
- GeoSolidwaste
- GeoEnforcement
- GeoTransport
- GeoBuilding
- GeoEngineering
- GeoCommunity
- GeoCoMs
- GeoRiver



## Smart Mobility

- Pedestrian / bicycle lane including 'Glow in the dark' tracks
- Traffic Management
- Intelligent Transportation Management system (e.g. IT IS, command Centre) to improve standard and efficiencies of traffic flow
- Smart Traffic Light
- Smart Parking
- Parking Guidance Information System
- Parking Apps
- Smart Vehicles
- Electric Vehicle
- Charing Station
- Bike sharing
- Public Transport System
- E-ticketing
- Smart Terminal
- E-hailing
- Transit & Traffic Information System



## Smart Digital Infrastructure

- Broadband provision: 4G/5G/WiFi
- In Building Coverage
- Community Internet Centre
- Telco towers
- Internet / communication infrastructure
- Personal Data Protection
- Cyber Security
- Firewall and antivirus applications



## Smart Economy

- Digital Economy / cashless payment for public services through
- Online payment
- Mobile apps
- E-wallet
- Kiosk
- Smart Tourism
- Smart tourist Apps; e-ticket; e-book
- Smart Information
- Push Notification
- Live Streaming 360
- Virtual Tourist Guide



## Smart Environment

- **Disaster Management**
  - Flood alert system & CCTV
  - Real-time data integration with command centre
- **Drone / UAV**
  - UAV-monitoring mosquito breeding control work for low-cost housing
  - UAV-investigation on illegal landfill and cleaning work planning
  - UAV-investigation on illegal building modification
- **Green space / Tree Planting**
  - Tree Planting campaign
  - Tree Inventory Web Application
- **Low Carbon Initiatives**
  - Car-Free Day
  - Smart Lighting
  - Building Retrofitting Programme
  - Solar building
  - Solar Lighting
- **Green Neighbourhood**
  - Green Neighbourhood Programme
- **Muninets**
  - MUNINet – Sustainable City Indicator
- **Environmental Management**
  - Smart Water Management
  - Air Pollution Monitoring System
  - Environment IoT Sensor
  - Smart Water Meter
- **Sustainable City**
  - Sustainable city planning, design and lifestyle
- **Waste Management**
  - Compost
  - 3R projects
  - Smart Bin
  - Smart Waste Management
  - GPS tracking for Garbage Truck
  - Waste-to-energy
  - Biogas
- **SPAH**
  - Rain Harvesting system



## Smart Living

- Safe City / command Center / Integrated Operation Centre
- Safe city program
- CPTED
- CCTV
- Panic button
- Integrated Operation Center / Command Center
- Crime Prevention Community
- Smart sensors for vandalism
- Crime Mapping
- Dashboard / real time data
- Video Analytics
- Digital Health / Medical
- Health Apps (MySejahtera, Covidtrace, e-health, e-clinic)
- Telemedical Apps (geo location facilities, health information, tele-communication)
- Upgrading of Housing / Infrastructure
- Smart Building / Smart Home
- Building Retrofitting (solar, SPAH, LED Light, Park / landscape, 3R, roof top garden)
- Smart home system (sensors, solar panel, smart card access wi-fi, phone coverage, smart TV, CCTV, Home watch by smartphone)
- Smart Pole
- Public Park and Recreation
- Smart Public Park
- Urban Farming
- Solar-powered Farm
- Community Farm



## Smart People

- Digital Information Board for public and tourist
- Local Agenda 21 Program
- Community Empowerment program
- Industry engagement program
- Digital library
- Digital learning & education
- LED display billboard

# REGISTRATION FORM



Title  Mr.  Mrs.  Ms.  Dr.  Others (specify) : \_\_\_\_\_

Name (as per passport)\* \_\_\_\_\_

Name (to be appeared on conference badge) \_\_\_\_\_

Email\* \_\_\_\_\_

Passport No. \_\_\_\_\_ Date of Issue  D  D /  M  M /  Y  Y  Y  Y

Country of Issue \_\_\_\_\_ Expiry Date  D  D /  M  M /  Y  Y  Y  Y

Job Title\* \_\_\_\_\_

Company\* \_\_\_\_\_

Address\* \_\_\_\_\_

\_\_\_\_\_

City/State \_\_\_\_\_ Postcode \_\_\_\_\_

Country \_\_\_\_\_

Telephone\* \_\_\_\_\_ Fax\* \_\_\_\_\_

Mobile Number\* \_\_\_\_\_

\*(Please include country and area code)

## FEE PER DELEGATE

## PRICE

### EARLY BIRD

(registration with FULL payment received before 30 June 2021)

USD 300

### NORMAL RATE

(registration with FULL payment received after 30 June 2021)

USD 375

\* fees are subjected to additional 6% SST

## PAYMENT

Full payment is required with your Registration Form before the Conference day. Tax-Receipt will only be issued upon receipt of full payment.

All payments should be made in USD (\$) by credit card, telegraphic transfer or cash only

All registrations by fax or post MUST reach us before 1 September 2021, after which late registrations will be considered as "WALK-INS" and subjected to "WALK-IN" fee.

## PARTICIPATION TERMS AND CONDITIONS

Delegates may be substituted at any time, in writing, at NO extra charge.

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**Cities 4.0 2021 Secretariat**  
**c/o Confexhub Group**

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