Recognize, contextualize and explain different definitions, myths, agendas, premises and assumptions of Smart Cities as they exist or have existed in this domain.

Develop a preferred definition of Smart Communities, including goals, desired impact and, where needed, means you deem central to the mission, learning needs included.

Demonstrate an understanding of the ‘smart city’ concept within the context of sociological perspectives, technology trends, and strategy for communities.

Differentiate between digitization and digitalization and give examples of how you would apply these concepts in the urban innovation space.

Identify how different technologies and innovations are transforming the city and the implications of this transformation on societies, economies, governments, and people’s lives.

Overview
This Certificate provides an in-depth multidisciplinary orientation on the topic of Smart & Resilient Communities. It explores the history, present, and future of the ‘smart city’ concept, frames the future of our cities within the context of the 4th Industrial Revolution, provides a platform for a rich sharing of insights and best practices by experienced leaders from across the globe, and introduces the building blocks for successful digitalization and innovation strategies for communities, cities and regions.

Key Benefits
- Recognize, contextualize and explain different definitions, myths, agendas, premises and assumptions of Smart Cities as they exist or have existed in this domain.
- Develop a preferred definition of Smart Communities, including goals, desired impact and, where needed, means you deem central to the mission, learning needs included.
- Demonstrate an understanding of the ‘smart city’ concept within the context of sociological perspectives, technology trends, and strategy for communities.
- Differentiate between digitization and digitalization and give examples of how you would apply these concepts in the urban innovation space.
- Identify how different technologies and innovations are transforming the city and the implications of this transformation on societies, economies, governments, and people’s lives.

Faculty
- **Bas Boorsma**
  Professor of Practice, Thunderbird School of Global Management

- **Diana Bowman**
  Assoc Dean (ACD) for International Engagement & Professor Consortium for Science, Policy & Outcomes

- **Lev Gonick**
  Chief Information Officer at Arizona State University, Professor of Practice in the School of Public Affairs., and smart city architect.

- **Jason White**
  Digital innovation Lead, Amazon Web Services

- **Landry Signe**
  Professor & Senior Fellow in the Global Economy and Development Program and the Africa Growth Initiative at the Brookings Institution.
Micro Certificates

These Certificates help prepare leaders, practitioners, and professionals in both the public and private sectors, as well as non-governmental organizations, to act effectively in this space. Below is a sampling of available Micro Certificates for smart cities and innovation. Please visit the website for a complete list.

Course Descriptions

SMART COMMUNITIES: DEFINITIONS, MYTHS, HISTORY, & FUTURE

When we consider Smart Communities, what definitions do we choose and what assumptions and premises do we embrace? How does the phenomenon of a ‘smart city’ fit into larger sociological and technological traditions, trends and thoughts? There are varying agendas that drive the purpose of a smart community - environment, technology, ‘the citizen,’ and, in a post COVID-19 world more important than ever, resilience of communities.

Delivery: Online  I  Duration: 1 week  I  Start: On Demand

THE 4TH INDUSTRIAL REVOLUTION AND THE CITY

How do we define the 4th Industrial Revolution (4IR) and why does it matter to our communities today? The challenge with big shifts like the 4IR is that the past ceases to be a source for guidance as to how to deal with the present or future. If we accept that truism for city management and the larger urban innovation agenda, then what are the criteria we apply as we navigate our smart community futures? What design principles do we articulate as we move forward? What are the required leadership skills in the 4IR era? What does effective governance look like in driving successful community innovation and digitalization initiatives? The first two decades of this century produced a series of digital evangelists stating connectedness would bring our communities enhanced resilience. Where do we stand? What is the role of digitalization (as opposed to digitization) in (re)shaping our communities and our markets? What is the balance between connectedness and self-reliance in conducting the art of resilience?

Objectives

• Identify how different technologies and innovations have transformed or are transforming the city and its governance, and the implications of this transformation on societies, economies, governments, and people’s lives.
• Recognize the benefits of and tools for agile governance of the city.
• Develop an agile regulatory approach for a given scenario.
• Design a use case that leverages a given digitalization fundamental that is relevant to (y)our community.
• Give examples of how digitalization and the fourth industrial revolution represent an organizational paradigm shift as opposed to a technology trend.

Delivery: Online  I  Duration: 1 week  I  Start: On Demand  I  $299  I  Certificate of Completion

Who Should Attend

Leaders in both public and private sectors, practitioners, academicians, and civic innovators.

The certificate is aimed at leaders in both public and private sectors, practitioners, academicians, and civic innovators.

Leaders in both public and private sectors, practitioners, academicians, and civic innovators.

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