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URBAN FUTURES LEADERSHIP ACADEMY 2024

Innovating the smart, sustainable, learning, and liveable cities of the future.



Overview

Leiden University in the Netherlands, Asian Development Bank (ADB), and Bandung Institute of Technology (ITB) present the **Urban Futures Leadership Academy 2024**. This leadership program will delve into the transformative potential of the urban futures innovation concept with a particular focus on innovating cities that are smart, sustainable, liveable and continuously learning.

For our rapidly evolving urban landscapes, the integration of advanced technology and innovation strategies is essential to address the complex challenges that cities face. This leadership academy is designed to equip professionals from government and industry across various disciplines with the networks, knowledge, leadership skills, and tools needed to innovate urban futures solutions.

The leadership academy program will examine the broader concept of **smart cities**, which revolves around the integration of advanced technologies and data-driven solutions that enhance the quality of life for residents, improve urban services, and create more sustainable and efficient urban environments. The leadership academy will also focus more specifically on **sustainable cities**, which involves identifying strategies to create environmentally resilient cities that prioritize resource efficiency, renewable energy integration, and sustainable urban planning. Next, we'll study the principles of **learning cities**, where we explore how cities can harness data and technology to foster continuous education, lifelong learning, and knowledge sharing among citizens and institutions. Lastly, we'll focus on the principles of **liveable cities**, examining ways to enhance urban living conditions through intelligent infrastructure, inclusive design, and community-centric approaches.

The leadership program will intertwine principles of innovation throughout the learning concepts of smart, sustainable, learning and liveable cities. Within these contexts, innovation is the process of developing and implementing new ideas, policies, technologies, and practices that enhance the effectiveness, efficiency, transparency, and responsiveness of public services. This involves leveraging innovative solutions to address societal challenges, improve the quality of life for citizens, and foster inclusive and sustainable development. By doing so, governments can better meet the evolving needs and expectations of their populations, ultimately driving positive social change and fostering trust in public institutions.

Throughout this program, you will engage with academic and innovation leaders, industry experts, and leaders of public-private-partnerships that innovate in partnership with governments. You will participate in hands-on interactive sessions, and collaborate on solutions to challenges within the cities and communities you serve. Our goal is to empower you with insights and actionable strategies to drive policy innovations, technology solutions, and ultimately to lead innovations that create smarter, more sustainable, continuously learning and liveable cities.



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Expected Outcomes

1. Participants will **strengthen their leadership capabilities**, equipping them to guide and manage smart, sustainable, and livable city projects, while driving urban innovation and leading cross-disciplinary teams.
2. Participants will leave with **actionable urban innovation solutions**, enabling them to address real-world urban challenges and focus on enhancing public services, infrastructure, and sustainability.
3. Participants will foster **enhanced collaboration and networking**, building strong connections with government officials, industry leaders, academics, and community stakeholders, leading to future partnerships and collaborative initiatives.
4. Participants will gain **insights into sustainable development strategies**, learning how to create environmentally resilient cities through resource efficiency, renewable energy integration, and sustainable urban planning.
5. Participants will **contribute to increasing trust in public institutions** by improving the effectiveness, efficiency, and transparency of public services, thereby strengthening public sector governance.

Event Details

Urban Futures Leadership Academy:

5-7 November 2024 (09:00 – 16:00)

Only 25 places are available and by invitation only

Location: Gedung Pusat Antar Universitas (PAU Building), Institut Teknologi Bandung, 8th Floor

Urban Future Leaders Summit:

8 November 2024 (08:45 – 14:30)

Industry leaders, academics, students, community groups, and community members are all welcome

Location: Amphitheatre, Gedung Pusat Antar Universitas (PAU Building), Institut Teknologi Bandung, 1st Floor

Costs: Free of charge

Registration link: itbinnovationpark.id/en/urban-futures-leadership-academy-2024



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Delft University of Technology



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Program (Day 1-3), *by-invitation only*

	Time	Duration	Activity	Speaker
DAY 1 Tuesday, 05 November 2024	09:00 - 09:30	30'	Arrival, registration and morning coffee	MC
	09:30 - 09:45	15'	Welcoming session by the organizing partners and speaker introduction	Prof. Suhono Harso Supangkat (SCCIC ITB)
			<i>Scope and objectives of the program</i>	Prof. Bart Barendregt (Leiden University)
	09:45 - 10:45	60'	Session 1: <ul style="list-style-type: none"> Overview of the smart cities concept: social, economic, and historical foundations for building a trusted society Garuda Framework 	Prof. Suhono Harso Supangkat (SCCIC ITB)
	10:45 - 11:45	60'	Session 2: <ul style="list-style-type: none"> Smart cities within a broader international perspective Waste and water management 	Leiden University TBC
	11:45 - 12:00	15'	Q&A	MC
	12:00 - 13:00	60'	Lunch break	
	13:00 - 13:30	30'	Session 3: Eyes of Things in a Sustainable Smart City	Universiti Teknologi Malaysia TBC
	13:30 - 14:00	30'	Case study: ADB's initiatives in water and urban development in Indonesia	Anastasia Carolina (ADB)
	14:00 - 14:15	15'	Q&A	MC
	14:15 - 14:45	30'	Coffee break	
	14:45 - 15:45	60'	Group exercise: City's water perspective	Leiden University TBC
15:45 - 16:00	15'	Wrap up first day	MC	



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DAY 2 Wednesday, 06 November 2024	Time	Duration	Activity	Speaker
	09:00 - 09:30	30'	Arrival, registration and morning coffee	
	09:30 - 09:45	15'	First day recap	MC
	09:45 - 10:15	30'	Session 4: <ul style="list-style-type: none"> Overview of digital government in smart cities context Digital government 	<i>Aris Kurniawan (KOMINFO)</i> TBC
	10:15 - 10:45	30'	Case study: West Java's smart government initiatives in public services improvement	<i>Herman Suryatman (Government of West Java Province)</i> TBC
	10:45 - 11:45	60'	Sharing session and problem solving: Participants will share their department's e-governance initiatives to ensure the transparency and accountability in the implementation of their programs <i>Example of problem solving: high number of government applications (24,000) based on KOMINFO report</i>	Participants
	11:45 - 12:00	15'	Q&A	MC
	12:00 - 13:00	60'	Lunch break	
	13:00 - 13:30	30'	Session 5: Bridging offline and online infrastructures in policymaking	TBC
	13:30 - 14:00	30'	Session 6: Policy innovation	<i>Ahmad Gamal (UI)</i> TBC
14:00 - 14:15	15'	Q&A	MC	
14:15 - 14:45	30'	Coffee break		
14:45 - 15:45	60'	Group exercise: Collaborative game on city design involving multiple stakeholders	Dr. Nelson Mota (TU Delft)	
15:45 - 16:00	15'	Wrap up second day	MC	



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DAY 3 Thursday, 07 November 2024	Time	Duration	Activity	Speaker
	09:00 - 09:30	30'	Arrival, registration and morning coffee	
	09:30 - 09:45	15'	Second day recap	MC
	09:45 - 10:15	30'	Session 7: <ul style="list-style-type: none"> Overview of lifelong learning in smart cities context Inclusive lifelong learning 	Tatang Muttaqin (Act. DG Vocational Education, MoECRT)
	10:15 - 10:45	30'	Session 8: EdTech	Paulina Pannen (ICE Institute)
	10:45 - 11:15	30'	Session 9: Lifelong learning and AI	Allya Paramita Koesoema, S.T., M.T., Ph.D. (ITB) TBC
	11:15 - 11:45	30'	Introduction to Smart-X	Dr. Fadhil Hidayat (SCCIC)
	11:45 - 12:00	15'	Q&A	MC
	12:00 - 13:00	60'	Lunch break	
	13:00 - 13:30	30'	Session 10: <ul style="list-style-type: none"> Social wellbeing (aging group) Smart and resilient cities at Erasmus Vital Cities and Citizens Institute 	Dr Paul Rabé (Erasmus University)
13:30 - 15:00	90'	Group assignment: Sensory walk and sensory perception of neighbourhoods <i>Note: participants will share their assignment to the public audience during the knowledge sharing session on Day-4</i>	<ul style="list-style-type: none"> Dr. Nelson Mota (TU Delft) Prof. Bart Barendregt Dr. Fadhil Hidayat (SCCIC) 	
15:00 - 15:15	15'	Q&A	MC	
14:15 - 14:45	30'	Coffee break		
15:45 - 16:00	15'	Wrap up third day and training feedback survey collection		



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Program (Day 4) open for public participants

DAY 4 Friday, 08 November 2024 Public Event	Time	Duration		Speaker	
	08:45 - 09:00	15'	Arrival, registration, and name tag distribution		
	09:00 - 09:05	5'	MC opening and Indonesia national anthem	MC	
	09:05 - 09:20	15'	Opening remarks and partners acknowledgement	<ul style="list-style-type: none"> Prof. Dr. Ir. Suhono Harso Supangkat, M.Eng. (ITB) Prof. Bart Barendregt (Leiden) Shanti Jagannathan (ADB) <i>TBC</i> 	
	09:20 - 09:25	5'	Commemorative group photo	MC	
	TOPIC: Sustainable Cities <i>Strategies to create environmentally resilient cities that prioritize resource efficiency, renewable energy integration, and sustainable urban planning</i>				
	09:25 - 09:45	20'	Keynote Speaker #1	Ir. I Gusti Bagus Baskara Nugraha, S.T., M.T., Ph.D. (SCCIC ITB)	
	09:45 - 10:05	20'	Panel Session #1	<p>Moderator: Dr. Fadhil Hidayat (SCCIC ITB)</p> <p>Panellists:</p> <ul style="list-style-type: none"> Leiden University <i>TBC</i> Mohammad Irfan Saleh - Director of Water Resources (BAPPENAS) <i>TBC</i> Dr. Myrna Asnawati Safitri, S.H., M.S.I. (Deputy for Environment and Natural Resources, OIKN) <i>TBC</i> 	
	10:05 - 10:20	15'	Discussion and Q&A session	MC	
	10:20 - 10:35	15'	Coffee break		
TOPIC: Learning Cities <i>How cities can harness data and technology to foster continuous education, lifelong learning, and knowledge sharing among citizens and institutions</i>					



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10:35 - 10:55	20'	Keynote Speaker #2	ADB (TBC)
10:55 - 11:15	20'	Panel Session #2	<p>Moderator: ADB (TBC)</p> <p>Panellists:</p> <ul style="list-style-type: none"> • Dr. Nelson Mota (TU Delft) • Suraya Afiff PhD (UI) • Prof. Yusep Rosmansyah (Director of Education Development, ITB) TBC
11:15 - 11:40	25'	Campus excursion and knowledge sharing session from the sensory perception of neighbourhoods assignment	Leiden University (TBC)
11:40 - 11:55	15'	Discussion and Q&A session	MC
11:55 - 13:05	70'	Lunch and Friday prayers break	
<p>TOPIC: Liveable Cities <i>Ways to enhance urban living conditions through intelligent infrastructure, inclusive design, and community-centric approaches</i></p>			
13:05 - 13:25	20'	Keynote Speaker #3	Prof. Ridwan Sutriadi (SAPPK ITB) TBC
13:25 - 13:45	20'	<p>Panel Session #3</p> <p><i>Note: Incorporating creative industry, culture, memory, and history, which align with the liveable dimension of a city</i></p>	<p>Moderator: Prof. Bart Barendregt (Leiden)</p> <p>Panellists:</p> <ul style="list-style-type: none"> • Dr Paul Rabé (Erasmus University) • Prof. Bambang Hari Wibisono (UGM) • Fadhila Hasna Athaya (Asian Creative and Digital Economy Youth Summit)
13:45 - 14:00	15'	Discussion and Q&A session	MC
14:00 - 14:30	30'	Closing session	



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About Urban Futures Concept

"Urban Futures" refers to the proactive and strategic envisioning and planning of cities that integrate advanced technologies, sustainable practices, lifelong learning opportunities, and enhanced liveability. This holistic concept emphasizes creating urban environments that are resilient, inclusive, and conducive to the well-being of their inhabitants.

Key elements of Urban Futures include:

- 1. Smart Technology Integration: Leveraging digital technologies, data analytics, and Internet of Things (IoT) to enhance urban services, infrastructure, and governance, making cities more efficient, transparent, and responsive to citizens' needs.*
- 2. Sustainable Practices: Prioritizing environmental stewardship through resource efficiency, renewable energy, sustainable solutions, green building practices, and adaptive climate strategies to minimize the ecological footprint and ensure long-term resilience.*
- 3. Lifelong Learning: Fostering environments where continuous education and skill development are accessible to all, enabling residents to adapt to changing economic conditions and technological advancements, and cultivating a culture of knowledge sharing.*
- 4. Liveability: Designing urban areas that prioritize quality of life, including safe, healthy, and inclusive public spaces, efficient transportation systems, affordable housing, access to healthcare and social services, and vibrant cultural and recreational opportunities.*
- 5. Inclusivity: Ensuring that all residents, regardless of age, socio-economic status, race, or ability, have equal access to the benefits of urban living, fostering social equity, cohesion, and community wellbeing.*

In essence, Urban Futures encapsulates the aspiration and blueprint for cities that are forward-thinking, adaptable, and resilient, aiming to create environments where technology, sustainability, continuous learning, and liveability converge to enhance the overall quality of life for all citizens.