Speaker Biographies – How Smart Cities Can Become Pandemic Resilient!

Moderator: Matthew James Bailey

IoT, Smart Cities, and Future of Artificial Intelligence Consultant

Matthew James Bailey is an internationally recognised maven in the Internet of Things, innovation, Smart Cities and artificial intelligence. His extraordinary leadership is widely acknowledged throughout governments and the private sector. He is a sought-after advisor and keynote speaker. Bailey has been privileged to meet famous global leaders such as Steve Wozniak, innovation and technology; Sir David Attenborough, the environment; Professor Stephen Hawking, theoretical physicist and cosmologist; in addition to prime ministers, ministers, under secretaries of G7 Countries, and many more. Matthew has just published his first book - **Inventing World 3.0** - the playbook to liberate artificial intelligence to purposefully benefit every aspect of society, the sovereign individual and our environment (**check out a special offer for Inventing World 3.0 here**!). It lays a purposeful and ethical foundation that equips this digital citizen to play a central role for nations and regions, societies and cultures, business and organisations to leap beyond today's challenges and advance into an intelligence-based future. Originally from England, Matthew James Bailey currently lives in the United States where he enjoys writing and consulting globally with clients in the public and private sectors. He is co-chair of a national Artificial Intelligence-Smart City-Super Computing Cluster that is part of the Global City Teams Challenge. He is the Global Ambassador for an Artificial Intelligence Innovation District for a Medical Technology City in Mwale, Kenya. He also serves on the board of an Artificial Intelligence startup, Smarter.AI. Bailey is known as an energetic and inspiring communicator. He is regularly featured as a keynote speaker around the world at both public and private events. He has shared his ideas in radio interviews, through the press, in podcasts and on online media. Read his full bio at **https://aiethics.world/about-us**.

Wilfred Pinfold

Chief Executive Officer
Urban Systems

Wilfred Pinfold is a founder and CEO of Urban.Systems Inc., a pioneering global smart community company. Urban.Systems has partners in the US, Europe, Asia, and Africa working on projects in the development and operation of urban, vacation, mixed use and corporate campuses, airports, military bases, and science parks. Most recently urban.systems piloted a fleet of autonomous electric buses at the Hong Kong Science Park. The company has a range of IoT products that connect smart devices and infrastructure into an integrated data framework that is revolutionizing how communities are planned and operated.

Wilfred started his career in heavy construction and is a certified structural engineer in both the UK and the USA. In a 23-year career at Intel he established and managed businesses in computer aided design and engineering. He founded and managed Intel's federal smart city research program. He holds a PhD in Computational Fluid Dynamics from Strathclyde University in Glasgow Scotland and completed the Stanford Executive Program. He has held academic positions in schools of engineering and business in both the US and UK, has authored numerous technical

reports and papers. He is the Portland Mayor's representative on the Technology Oversight Committee (TOC), is a co-chair of the national smart cities transportation tech jam, and is a respected spokesperson and contributor in the Smart City community.

Jean Rice
Senior Broadband Specialist
National Telecommunications and Information Administration

Jean Rice is a telecommunications expert and advisor who works with federal agencies, tribal, local and state governments, industry, universities and non-profits on smart cities and communities projects and provides technical assistance to support the widespread deployment of broadband infrastructure. Ms. Rice focuses on the development of cutting-edge, cross-sector smart cities and broadband projects and collaborations and leads NTIA's partnership with the National Institute of Technology and Standards' Global Cities Team Challenge program. She focuses on smart agriculture and rural, smart buildings, wireless, smart states, inclusion and smart regions. She is a member of the Networking and Information Technology and Research and Development Program's Cyber-Physical System's Interagency Working group and the federal Fast Track 5G Committee and had been a member of the prior NITRD Federal Smart Cities and Communities Task Force. Ms. Rice co-founded and coordinates the Smart Cities and Communities Leadership Forum hosted by NTIA, NIST, NSF, and DHS S&T. Ms. Rice has received several awards including an award from the Commerce Department for leadership in smart cities. She has developed numerous publications, including a number of Toolkits for NTIA, including "Powering a Smart City Through Partnerships; a Toolkit for Local and Tribal governments". For 25 years, Ms. Rice was the CEO of a telecommunications consulting company for US cities and states. NTIA is responsible for advising the President on Telecommunications and Information Administration policy issues. NITA's programs and policy making focus on expanding broadband internet access and adoption in the US, expanding the use of spectrum by all users, and ensuring that the Internet remains and engine for continued innovation and economic growth.

Yuri Gawdiak
Airspace Operations & Safety Program Associate Director, Aeronautics Research Mission Directorate
National Aeronautics and Space Administration

Yuri Gawdiak is the associate director for Airspace Operations and Safety Program in the Aeronautics Research Mission Directorate at NASA. In addition to aviation safety Yuri has led the On Demand Mobility (ODM) concepts for aviation R&D. Mr. Gawdiak has also conducted strategic portfolio management and risk management for advanced aircraft and mobility systems at both NASA and the FAA in the Joint Planning & Development Office (JPDO). Yuri's early career included work at Fairchild, Defense Communication Agency, University of Maryland, and Boeing. During his tenure at NASA, Yuri has managed a wide array of technical activities ranging from Space Station payload avionics development and internal mobile free flyers to deployment of the Surface Movement Advisor at Atlanta airport. Yuri has a BS in Information Systems and Ergonomics from Carnegie Mellon University.