STAGE DEMONSTRATIONS

CityGuide: Beacon-Based Community-Driven Inclusive Wayfinding
Vinod Namboodiri and Sayed Ali Cheraghi (Wichita State University); Rakesh Babu (Envision Research Institute)

Low-Cost Sensing of Pollution Variation within Communities
Kerry Kelly (University of Utah)

Rural Access to Deep Brain Stimulation
Christopher Butson (University of Utah)

Smart and Connected Energy-Aware Residential Communities
Panagiota Karava (Purdue University), Jacob Sipe (Indiana Housing and Community Development Authority), Gary Hobbs (BWI)

Smart Stormwater Systems
Branko Kerkez (University of Michigan), Harry Sheehan (Washtenaw County Government, MI)

SONYC: Cyber-Physical Noise Monitoring and Analysis
Juan Bello and Charles Mydlarz (New York University), Cecil McMaster (NYC Environmental Protection)

Visualizing Underground Infrastructure in Augmented Reality
Dryver Huston (University of Vermont) and Dalei Wu (University of Tennessee at Chattanooga)

FLOOR DEMONSTRATIONS

Booth 24 **AI Driven Autonomous Sorting**
Yizhe Zhang (University of Virginia) and Lianjun Li (University of Texas at Dallas)

37 **AirVR: Virtual Intubation Simulator**
Pavithra Rajeswaran and Naveen Sanakaran (University of Illinois at Urbana-Champaign)

28 **All-in-One Urban Mobility Mapping**
Mina Sartipi (University of Tennessee at Chattanooga) and Alexander Samoylov (Georgia Institute of Technology)

45 **Ambient Machine Vision for Safe Communities**
Hamed Tabkhi (University of North Carolina Charlotte)

20 **aSTEAM Village Innovation Lab**
William Wells (aSTEAM)

46 **Atlantis: A Game of Sea Level Rise**
Yasin Yilmaz, Alan Bush, and Mark Hafen (University of South Florida)

48 **Building Capacity for Smart and Connected Management of Thermal Extremes**
Paul Coseo (Arizona State University), Zoe Hamstead (University of Buffalo), Eric Walker (Erie County, NY)

47 **Building an Edge Cloud in Harlem for Virtual Desktops and Virtual Spaces**
Dan Kilper and Bryan Carter (University of Arizona), Bruce Lincoln (Silicon Harlem, NYC)

31 **Change Behavior at the Curb: How IoT Can Help**
Rhonda Steele and Phillip Bernick (Hathority, LLC)

30 **Cities of the Future: Smart Cities, Smart Roads, and Autonomous Cars**
Tim Sylvester, Miguel Jaramillo, and Chuck Vanasse (Integrated Roadways)

49 **CityGuide: Beacon-Based Community-Driven Inclusive Wayfinding**
Vinod Namboodiri and Sayed Ali Cheraghi (Wichita State University); Rakesh Babu (Envision Research Institute)

44 **Crisis Eye**
Raju Gottumukkala (University of Louisiana at Lafayette) and Brad Robin (Lafayette Consolidated Government)

Booth 50 **Crowdsourcing Technology for Mental Wellbeing**
Hongwei Dong (California State University-Fresno)

32 **Cyber-Protected Edge Cloud Virtual Desktop**
Fatma Alali, Ron Williams, and Malathi Veeraraghavan (University of Virginia); Dan Kilper (The University of Arizona); Andrew Rodgers (The Enterprise Center, Chattanooga, TN)

25 **Dynamic Views of the Brain**
Allen Johnson (Duke University)

33 **Engaging Stakeholders with Interactive 3D City Models and Immersive Tangible Environment**
Ross Meentemeyer, Helena Mitasova, Perver Baran, Makiko Shukunobe, and Payam Tabrizian (North Carolina State University)

22 **Gigabots Real-Time Video**
Jonathan Wagner (Big Bang IO)

26 **Medical AI Translation Assistant**
Ana Paik and Michael Haberman (University of Illinois at Urbana-Champaign)

42 **Multi-User VR Experience through Edge Rendering**
Suman Banerjee and Josh Tabor (University of Wisconsin-Madison)

36 **NXT Robotics**
Darin Anderson (NXT Robotics Corp. and CyberTECH), Jeff Debrosse, and Amir Amari (NXT Robotics Corp.)

21 **Path to Python**
Julia Lamorelle and Martin Jones (Kiwi Compute)

34 **PlanIT Impact**
Dominique Davison and Mary English (PlanIT Impact)

38 **Public Safety Training Using Just In Time VR**
Kenneth Smith (Texas State University)

39 **Public Safety VR for Improved User Interfaces**
Scott Ledgerwood, Jack Lewis, and Terese Manley (National Institute of Standards and Technology)

27 **Robots Without Borders Presents Luna AI-assisted Education**
Luis Arana and Aria Cheng (Robots without Borders)

43 **SAFER Home on Paradrop**
Suman Banerjee, Derek Meyer, and Lance Hartung (University of Wisconsin-Madison)

29 **SAT-Hub: Smart and Accessible Transportation Hub**
Zhigang Zhu (The City College of New York), Jie Gong (Rutgers University), Michael Lysicatos (Passaic County, NJ)

52 **Smart Stormwater Systems**
Branko Kerkez (University of Michigan), Harry Sheehan (Washtenaw County Government, MI)

53 **SONYC: Cyber-Physical Noise Monitoring and Analysis**
Juan Bello and Charles Mydlarz (New York University), Cecil McMaster (NYC Environmental Protection)

40 **Trinity Animation VR Human Body**
Jim Lammers, Travys Keto, and Gail Christy (Trinity Animation)

41 **Using Distributed Augmented Reality For Teaching Patient Interaction**
Marjorie Zielke and DJ Zakhidov (University of Texas at Dallas)

23 **VR Explorations of the African Diaspora**
Tammy Buckner (Techquity Digital) and Meru Nombeko-Aisha Kheop (The Taisna Group)