



# US Ignite Application Summit

## Monday, March 26

National Science Foundation Smart and Connected Communities Program Principal Investigators Meeting (Invitation only)

## Tuesday, March 27

Morning keynote sessions and demos will be held in Room 2103AB

- 8:30 AM **Opening the joint US Ignite Application Summit and Smart Cities Connect Conference**
- 8:35 AM **Welcome to Kansas City**  
Bob Bennett, CIO, *Kansas City, Missouri* (@kc\_cio)  
Aaron Deacon, Managing Director, *KC Digital Drive*
- 8:45 AM **Smart Cities in the Real World: City Leaders Panel**  
Ruthbea Yesner, Vice President, Government Insights and Smart Cities, *IDC* (moderator) (@idc)  
Bob Bennett, Chief Innovation Officer, *Kansas City, Missouri* (@kc\_cio)  
Michael Pegues, Chief Information Officer, *Aurora, Illinois* (@cityofaurorail)  
David Graham, Deputy Chief Operating Officer, *San Diego, California* (@cityofsandiego)  
Samir Saini, DoITT's Commissioner/Citywide CIO, *New York, New York* (@nycgov)
- 9:20 AM **PAWRing Smart and Connected Communities: Driving Research and Impact**  
Jim Kurose, Assistant Director, Computer and Information Science and Engineering (CISE),  
*National Science Foundation*
- 9:45 AM **SONYC Audio Mapping the Smart City** (NSF S&CC Demo)  
Juan Bello, Associate Professor of Music Technology, *New York University*  
Charles Mydlarz, Senior Research Scientist, *New York University*  
Cecil McMaster, Deputy Commissioner and Chief Information Officer, *NYC Environmental Protection*
- 10:00 AM *Coffee Break*
- 10:20 AM **Driving Smart and Connected Community Research Through Partnerships:  
The Perspective of NSF-funded Teams**  
Jonathan Sprinkle, Program Director, *National Science Foundation* (moderator) (@NSF\_CISE)  
Farrah Cambrice, Assistant Professor, *Prairie View A&M University*  
David Allen, Mayor, *Prairie View, Texas*  
Hilary Boudet, Assistant Professor, *Oregon State University*  
Rachel DiFranco, Sustainability Manager, *Fremont, California*  
Hamed Tabki, Assistant Professor, *University of North Carolina at Charlotte*  
Robert Phocas, *Charlotte, North Carolina* (@cltgv)
- 10:50 AM **Low-Cost Sensing of Pollution Variation within Communities** (US Ignite Application Demo)  
Kerry Kelly, Assistant Professor of Chemical Engineering, *University of Utah*
- 11:05 AM **City Infrastructure: Mayoral Opening Remarks**  
Joel Robideaux, Mayor, *Lafayette, Louisiana*

- 11:10 AM **City Infrastructure: Politics, Policy & Possibilities: Keynote Panel**  
 Chelsea Collier, Editor-at-Large, *Smart Cities Connect Media & Research* (moderator) (@chelseamcc)  
 Joel Robideaux, Mayor, *City of Lafayette*  
 Howard Heppelmann, Divisional VP and GM, Connected Operations Solutions, *PTC*  
 Randolph Wheatley, VP, Product Marketing, *Sensus, a Xylem brand*  
 Julie Lorenz, Senior Strategic Consultant, *Burns & McDonnell* (@burnsmcdonnell)
- 11:45 AM **Smart and Connected Energy-Aware Residential Communities** (NSF S&CC Demo)  
 Panagiota Karava, Associate Professor of Civil Engineering, *Purdue University*  
 Jacob Sipe, Executive Director, *Indiana Housing and Community Development Authority*  
 Gary Hobbs, Chief Executive Officer, *BWI*
- 12:00 PM **CityGuide: Beacon-Based Community-Driven Inclusive Wayfinding** (NSF S&CC Demo)  
 Vinod Namboodiri, Associate Professor of Computer Engineering, *Wichita State University*  
 Sayed Ali Cheraghi, Department of Computer Engineering, *Wichita State University*
- 12:05 - 1:15 PM *Lunch on own*
- 1:15 - 4:00 PM **US Ignite Smart Gigabit Communities Closed Session (Invitation Only) Room 2104A**
- 4:00 - 7:00 PM App Demos, Expo, and Poster Session
- 4:00 - 7:00 PM Expo Networking Reception

### Wednesday, March 28

Morning keynote sessions and demos will be held in Room 2103AB

- 8:30 AM **KC Welcome Keynote + Think Big on City Innovations**  
 Herb Sih, Managing Partner, *Think Big Partners & KC Living Lab* (@herbsih)
- 8:40 AM **2018 Class of New Smart Gigabit Communities**  
 Nishal Mohan, National Community Leader, *US Ignite* (@us\_ignite)  
 Scott Turnbull, National Technical Leader, *US Ignite* (@us\_ignite)
- 8:50 AM **US Ignite Forum Launch**  
 Bill Maguire, Director, *US Ignite Forum* (@us\_ignite)
- 8:55 AM **Visualizing Underground Infrastructure in Augmented Reality** (US Ignite Application Demo)  
 Dryver Huston, Professor, *University of Vermont*  
 Dalei Wu, Professor, *University of Tennessee at Chattanooga*
- 9:10 AM **Mayoral Keynote: Fiber for San Francisco, Internet for All**  
 Mark Farrell, Mayor, *City and County of San Francisco, California*
- 9:20 AM **Not So Future Smart City: Leveraging Next Generation Networks**  
 Ruthbea Yesner, Research Director, Smart Cities, *IDC* (moderator) (@idc)  
 Mark Farrell, Mayor, *City and County of San Francisco, California*  
 Frank Sgambati, Director, Smart City Development North America, *Bosch*  
 Hardik Bhatt, Leader, Smart Cities and Mobility Verticals, *Amazon*
- 9:50 AM **The Ammon Model: Open Access Community Fiber**  
 Bruce Patterson, Technology Director, *Ammon, Idaho*
- Phoenix: Organizing a Smart Regional Community**  
 Dominic Papa, Executive Director, *Institute for Digital Progress* (@az\_idp)  
 Chris Camacho, President and CEO, *Greater Phoenix Economic Council*  
 John Wolfe, Senior Vice President and Southwest Regional Manager, *Cox Communications*

- 10:10 AM *Coffee Break*
- 10:45 AM **Smart Stormwater Systems** (NSF S&CC Demo)  
 Branko Kerkez, Assistant Professor of Civil Engineering, *University of Michigan*  
 Harry Sheehan, Chief Deputy Water Resources Commissioner, *Washtenaw County Government*
- 11:00 AM **Sustaining your Smart Community**  
 Sue Spradley, Chair, *US Ignite Board* (moderator) (@us\_ignite)  
 Steve Bowers, Media Coordinator, *Jackson Energy*  
 Susan Anable, Vice President of Government and Public Affairs, *Cox Communications*  
 Ryan Trujillo, Sustainability Manager, *Colorado Springs, Colorado*
- 11:30 AM **Advanced Wireless Networks: The Foundation For Smarter Cities**  
 Joe Kochan, Project Director, PAWR, *US Ignite* (@us\_ignite)  
 Ivo Rook, Senior Vice President of IoT, *Sprint* (@sprint)  
 Alec Chalmers, Director, *Amazon Web Services, Worldwide Public Sector* (@awscloud)  
 Chris Crosby, Founder and CEO, *Xaqt* (@xaqtData)
- 11:45 AM **Rural Access to Deep Brain Stimulation** (US Ignite Application Demo)  
 Christopher Butson, Director of Neuromodulation, Scientific Computing and Imaging  
 Institute, *University of Utah*
- 12:00 PM **Bringing the Communities Together for 2018 and Denver 2019**  
 Glenn Ricart, CTO, *US Ignite* (@us\_ignite)
- 12:05 - 1:15 PM *Lunch on own*
- 1:15 - 4:00 PM **US Ignite Breakout Sessions and Panels** *held in room 2104A*
- 1:15 - 2:05 PM From the University Lab to Living Lab: Mechanisms to Open your Community to Innovation**  
 Meghan Houghton, Staff Associate for Strategic Engagements, *National Science Foundation* (moderator)  
 Kristen Kurland, Teaching Professor, *Carnegie Mellon University*  
 Cecil McMaster, Deputy Commissioner/CIO, *New York City Department of Environmental Protection*  
 Clayton Banks, Co-Founder and CEO, *Silicon Harlem*  
 Brian Donoghue, Director of Civic Innovation, *South Bend, Indiana*  
 Ben Levine, Executive Director, *MetroLab Network*
- 2:10 - 3:00 PM Responsible Data Management: Researchers and Municipal Leaders Join Forces**  
 David Corman, Program Director, *National Science Foundation* (moderator)  
 Andrew Rogers, Enterprise Fellow, *Chattanooga, Tennessee*  
 George Mohler, Associate Professor, *Indiana University–Purdue University Indianapolis*  
 Santiago Garces, Chief Innovation Officer, *South Bend, Indiana*  
 Maksim Pecherskiy, Chief Data Officer, *San Diego, California*  
 Anurag Patel, Clinical Assistant Professor, *University of Kansas Medical Center*
- 3:05 - 3:55 PM Getting Ready to Be Smart**  
 Larry Steffann, General Manager, *Wireless Research Center of North Carolina*  
 Tracy Smith, Director of IT Infrastructure, *University of Illinois at Urbana-Champaign*  
 Will Barkis, Technical Advisor, Mayor's Office of Civic Innovation, *City and County of San Francisco, California*

#### Thursday, March 29

Morning: Smart Cities Connect Panels and Sessions (see detailed full program)