Enabling a System of Systems with End-to-End Trust & Security for Future Wireless Cities

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improve efficiency, safety, quality of life, energy use, and environment...What can we enable thinking across the system of systems?



Serving citizens in rural settings is a critical need for wireless cities & communities, particularly for Telemedicine and Smart Grids



University of Pittsburgh Medical Center Telemedicine http://bit.ly/1SIVUhh





Addressing TIPPSS is essential to achieving safe, secure, scalable future wireless cities architectures

Trust Identity **Privacy Protection** Safety **Security**

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End to End Trust and Security Workshop for IOT 4 February 2016 at GWU, Washington, D.C. 20052

IEEE, Internet2, and the National Science Foundation (NSF) co-sponsors to gather technologists and innovators who can help drive the Internet of Things (IoT) conversation and contribute to the development of an open architectural framework.

- Opening panel of IEEE, NSF, Internet2, DOE, IIC, M2Mi
- Presentations from ISOC, PNNL, Industrial Internet Consortium, IEEE, +35 others
- Breakouts:

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- Access Control & Identity Management
- Architectural Framework
- Policy & Standards
- Scenarios & Use Cases

http://internetinitiative.ieee.org/events/workshops/

ieee-end-to-end-trust-and-security-workshop-for-the-internet-of-things

Internet2 Collaborative Innovation Working Groups are working key challenges for future wireless cities...join us

E2E Trust & Security:

- End to End Trust and Security for IoT
- TIPPSS Trust, Identity, Privacy, Protection, Safety, Security
- SDP (Software Defined Perimeter), Network Segmentation



National and Regional Research & Education networks can serve as testbeds for smart city and grid systems



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- Provide connections to universities, labs, industry, and HPC environments
- Interconnections between smart cities, communities, grids, microgrids
- For example, the Defense Advanced Research Projects Agency (DARPA) Smart Grid proposal for Rapid Attack Detection, Isolation and Characterization Systems (RADICS)

