

Subject: Internet2 IOT Innovation Working Group Newsletter #2

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From: Emily Nichols (sent by cino-request@internet2.edu <cino-request@internet2.edu>)

To: cino-iot@internet2.edu

CC: cino@internet2.edu

Dear Internet2 IOT Innovation Working Group,

There continues to be a plethora of interesting information and events for IOT from which we can all benefit. We hope to create a "library" of the gathered research documents/links as part of the [IOT wiki page](#) in order to provide easy access to the more relevant and interesting items.

We strive to include topics and documents of interest, including reports, presentations, and event information. If you have additional items for the group, please send them to CINO@Internet2.edu.

Reports & Presentations

- Presentations from the [Smart and Programmable Cities Workshop](#) (July 7, 2015, in Bristol, UK) are available. IOT Innovation Working Group member Inder Monga (ESnet) was one of the keynote speakers at this day long workshop. While presentation recordings do not appear to be available, the presentations **reinforce much of the IOT Innovation Working Group's focus on IOT for Smart Cities**.
- McKinsey publication, "[Unlocking the potential of the Internet of Things](#)," June 2015. McKinsey estimates IOT's economic impact could be as high as **\$11.1T annually by 2025**. Additionally, McKinsey predicts that the **largest potential areas will be related to factories, cities, and human health/fitness**.
- Altimeter Group report, "[Consumer Perceptions of Privacy in the Internet of Things](#)," June 2015. Based on a survey of more than 2,000 American consumers, Altimeter found that **consumers are extremely concerned about how their data will be used** and/or sold to 3rd parties in a connected IOT environment. *Note: you will need to provide contact information in order to download this report.*
- Altimeter Group report, "[The Trust Imperative: A Framework for Ethical Data Use](#)," June 25, 2015. In this related report, Altimeter talks about the importance of "proper" or **ethical personal data usage by corporations** in a connected IOT environment. *Note: you will need to provide contact information in order to download this report.*
- Stanford University's Secure Internet of Things Research Program released, "[Rethinking a Secure Internet of Things](#)," in April 2015. The group focuses on **cryptographic models for security**.
- IDC press release about its web conference, "[IDC FutureScape: Worldwide Internet of Things 2015 Predictions](#)," December 2014. The press release lays out IDC's top predictions for the IOT market, of interest is that **IDC predicts that 90% of all IT networks will have an IOT-based security breach within the next 18 months**.

Upcoming Events

- [Industry of Things World 2015](#) (Berlin Congress Center, September 21-22, 2015). A new event intending to bring **Industrial IOT stakeholders** together. Speakers from across industry, universities, and government include Bosch, European Commission, HP, IBM, Industrial Internet Consortium, IEEE, Proctor & Gamble, Siemens, University of St. Gallen, Vodafone, Wind, and many others.
- [Smart Industry Conference & Expo](#) (Radisson Blu Aqua Hotel, Chicago, October 5-7, 2015). An event intending to bring **Industrial IOT stakeholders** together. Speakers to include BASF Corp, Beckhoff Automation, Cisco Systems, Duke Energy, GE Aviation, Industrial Internet Consortium, Microsoft, Qualcomm, Rockwell Automation, Siemens, SAS, Splunk, UI Labs, US Chamber of Commerce, and many others.
- [The 5th International Conference on the Internet of Things](#) (COEX, Seoul, South Korea, October 26-28, 2015). A forum to share, discuss and witness research in all areas of development for IOT. Speakers and agenda are still to be determined.

- [ForumOxford: Internet of Things Conference 2015](#) (Rewley House, University of Oxford, UK, November 6, 2015). One-day professional development event aims to look at what will really happen when things, homes and cities become “smart.” Speakers and agenda are still to be determined.
- [The Internet of Things World Forum 2015](#) (Dubai World Trade Centre, Dubai, UAE, December 6-8, 2015). Hosted by Cisco, IOT World Forum is an invitation-only event for industry visionaries, technologists, executives, and educators committed to increasing awareness and adoption of IOT technologies. There is a [map of global IOT deployments to date](#). IOT Innovation Working Group Co-Chair Raj Veeramani (University of Wisconsin at Madison) and Florence Hudson are on the IOT World Forum Steering Committee, and plan to be in Dubai. They are looking to host a panel with IOT Innovation Working Group members, discussing collaborative innovation for IOT. Should you be interested in participating in this panel, please email IOTchairs@internet2.edu.

Best Regards,
Emily

Emily Nichols
Innovation Program Manager
Internet2
NYU CUSP, 300 Cadman Plaza West, 7th Floor
Brooklyn, NY, 11201
Phone: 646 762 0849
Cell: 914 374 7667
Email: enichols@internet2.edu