

October 1-3,  
2013

## The New Frontiers in IT and Measurement Science

Rapid advances in mobile cloud computing are bringing sweeping changes to the way mobile computing and communication services are delivered around the globe. More than an incremental change, mobile cloud computing is expected to radically alter users' working and life styles.

### From To

**Cloud and Mobility** ~ Cloud provides ubiquitous, on-demand, elastic, self-configurable, cost effective computing. Mobile devices are accessible, convenient gadgets, with regional wireless communication services and limited data services that have limited computing and power resources.

**Cloud Mobility** ~ Low-end mobile devices access diverse and scalable cloud computing resources and globally connected mobile enabled resources to receive unlimited mobile application services.

#### SPEAKERS & MODERATORS:

**Steven L. VanRoekel**, US CIO and Administrator, Office of Electronic Government, OMB

**Teri Takai**, Acting Assistant Secretary of Defense, CIO, DoD

**Pamela J. Wise-Martinez**, Chief Architect, CIO-NNSA  
Mario Gerla, Professor, UCLA

**Pat Gallagher**, Director, NIST

**Gunnar Hellekson**, Chief Technology Strategist, Red Hat

**Jenny Huang**, Strategic Standards Convener, AT&T

**Naomi Lefkowitz**, CIO Council – DoC Chair

**Tom Karygiannis**, CSD, NIST

**Allessandro Acquisti**, CMU (invited)

**David Lamp**, Lead Analyst, J6, DoD

**James Routh**, CISO, Aetna (invited)

**Ben T. Katsumi**, President & CEO, IERI, Japan

**Fred Lima**, Security Architect, VISA

**Robert Anderson**, Chief, Vision & Strategy, U.S. Marine Corps

**Gurvinder Ahluwalia**, CTO Cloud Computing, Cross-LoB  
West US Region, IBM

**Richard Nolan**, Technical Director, DIID, CMU

**Keith Trippie**, Executive Director, ESDO DHS

**Jenny Huang**, Strategic Standards Convener, AT&T

As part of its continuing cloud computing series, the National Institute of Standards and Technology is hosting a new forum on Cloud and Mobility. Join experts in the fields of cloud, mobility, and measurement for thought-provoking plenary talks, panel presentations, facilitated breakout discussion, poster sessions, and networking around these themes:

- Federal Perspectives on Cloud and Mobility
- The Vision for Cloud and Mobility
- Current State of Cloud and Mobility Intersections
- Intersections of Cloud and Mobility on the Horizon
- Bringing Mobility and Cloud Together—
- Challenges and Lessons Learned
- Path Forward to a Federated Mobile Cloud
- Lessons Learned in Mobility
- Challenges for Cloud and Mobility, including
  - Use Cases, Technologies, Consumer Issues
  - Domain- and Sector-Specific Perspectives

Breakout sessions will feature discussion of issues and action:

#### Future Directions for Cloud and Mobility

Federated Community Cloud Roadmap PAP

The Future of Cloud and its Implications for Mobility

Accessibility Cloud Roadmap PAP

The Future of Mobility and its Implications for the Cloud

#### Challenges at the Intersection of Cloud and Mobility

Reliability Design Goals Research

Cloud-Enhancing Mobility Applications

Privacy and Security Issues

Ubiquitous Computing

#### Path Forward: Working Together on Major Challenges

Federated Mobile Cloud

Accessibility

Privacy and Security

Ubiquitous Computing

#### WHO SHOULD ATTEND:

**Leaders in cloud computing  
and mobility from the  
government, private, and  
academic sectors**

**Architects, researchers and  
implementers of cloud  
computing and mobility  
technologies**

## Day 1 ~ October 1, 2013

### VISION/FORWARD THINKING

8:00	Registration and Networking
9:00	Welcome & Opening Remarks
9:10	Keynote Speakers
	<b>Federal Perspectives on Cloud and Mobility The Vision for Cloud and Mobility</b>
9:50	Introduction to Forum and Workshop
10:00	Moderated Panel
	<b>Current State of Cloud and Mobility Intersections</b>
11:30	Plenary Session
	<b>Progress on USG Cloud Computing Technology Roadmap Priority Action Plan Successes</b> Security Reference Architecture, Metrics, Service Level Agreements, Standards
12:45	Lunch and Poster Session, Café Conversations
2:00	Moderated Panel
	<b>Intersections of Cloud and Mobility on the Horizon</b> – near and future applications and technologies
3:10	Breakout Sessions
	<b>Future Directions for Cloud and Mobility</b> Federated Community Cloud Roadmap PAP Accessibility Cloud Roadmap PAP The Future Cloud and its Implications for Mobility The Future of Mobility and its Implications for the Cloud
4:45	Closing Remarks

## Day 2 ~ October 2, 2013

### CHALLENGES FOR CLOUD AND MOBILITY

8:00	Registration and Networking	8:00
9:00	Welcome and Opening Remarks	9:00
9:10	Day 1 Report Out	9:10
9:30	Keynote Speaker	9:30
	<b>Bringing Mobility and Cloud Together – Key Challenges and Lessons Learned</b>	
10:00	Moderated Panel	10:00
	<b>Lessons Learned in Mobility</b>	
11:30	Plenary Session 1	11:30
	<b>Challenges for Cloud and Mobility – Use Cases, Technologies, Consumer Issues</b> Technology, Business/Economic, Privacy & Security, and Behavioral Challenges	
12:45	Lunch and Poster Session	12:45
2:00	Plenary Session 2	2:00
	<b>Challenges for Cloud and Mobility – Domain- and Sector-Specific</b> Intelligence, First Responders, Healthcare, Financial/Banking/Business	
3:10	Breakout Sessions	3:10
	<b>Challenges at the Intersection of Cloud and Mobility</b> Reliability Design Goals Research Privacy and Security Issues Cloud-Enhancing Mobility Applications Ubiquitous Computing	
4:45	Closing Remarks	4:45

## Day 3 ~ October 3, 2013

### PATH FORWARD

8:00	Registration and Networking	8:00
9:00	Welcome and Opening Remarks	9:00
9:10	Day 2 Report Out	9:10
9:30	Keynote Speaker	9:30
	<b>Path Forward to a Federated Mobile Cloud</b>	
10:00	Charge for Breakouts: Objectives and Outcomes	10:00
10:15	Breakout Sessions	10:15
	<b>Path Forward: Working Together on Major Challenges</b> Federated Mobile Cloud      Privacy and Security      Accessibility      Ubiquitous Computing	
11:45	Report Out	11:45
12:15	Next Steps/Adjourn	12:15