The New Frontiers in Forensic Science

Rapid advances in cloud computing require new methodologies for performing digital forensics in cloud environments. More than an incremental change, cloud computing is expected to radically alter first responders’ and investigators’ operations.

The National Institute of Standards and Technology is hosting a new workshop on Cloud Forensic Science. Join experts in the fields of cloud, digital forensics, and measurement for thought-provoking plenary talks, panel presentations, facilitated discussion, and networking around these themes:

- Perspectives on Cloud Forensic Science
- The Vision for Cloud Forensic Science
- Current State of Cloud Forensic Science -- Challenges and Lessons Learned
- Path Forward for Cloud Forensics

Sessions will feature discussion of issues and actions:
- The Future of Forensic Science in the Cloud
- Challenges for Cloud Computing Forensic Science
- The Path Forward to Achieve the Vision Panel / Facilitated discussion
  - What does the future state of cloud forensics look like?
  - What are the barriers to implementing the future state?
  - What does a road map to achieve the future state look like?

Keynote Speaker:
Bill Murray, Manager – AWS Security Programs, Amazon

Speakers:
Peter Trahon, Chief, Cyber Division, FBI
Randy Simpson, Institute of Defense Analysis
Ken Zatyko, Vice President of Maryland Operations, Assured Information Security
Nancy Landreville, Professor, UMUC
Ernesto Rojas, President, Forensic & Security Services
Josiah Dykstra, Computer Security Researcher, Department of Defense
Inno Eroraha, Founder and Chief Strategist, NetSecurity Corporation
Mike Salim, CTO, American Data Tech
Keyun Ruan, CRO, XENSIX Inc (invited)
Sam Brothers, Sr. Digital Forensics Engineer, US Customs and Border Protection (invited)
Tomohiko Yamakawa, Research Program Director, NTT, Japan (invited)

Who should attend:
Leaders in cloud computing and digital forensics from the government, private, and academic sectors
Architects, researchers and implementers of cloud computing and mobility technologies
AGENDA

1:00 PM – 1:15 PM  Welcome remarks and goals of workshop
                  - Dr. Martin Herman, Senior Advisor, NIST

1:15 PM – 1:45 PM  Keynote address: A vision about cloud forensics and desired capabilities
                  - Bill Murray, Manager – AWS Security Services, Amazon

1:45 PM – 2:15 PM  Presentation on latest version of Challenges white paper
                  - Dr. Keyun Ruan, Chairperson and CRO, XENSIX Inc.
                  - Mike Salim, CTO, American Data Technology

2:15 PM – 3:15 PM  Plenary Session: Cloud forensics challenges and lessons learned
                  • Defense/Intelligence Sector
                    – Peter Trahon, Chief, Cyber Division, FBI (invited)
                  • Private Sector
                    – Ernesto Roja, President, Forensic & Security Services
                  • Academia view
                    – Nancy Landreville, Professor, UMUC

3:15 PM – 3:25 PM  Break

3:25 PM – 4:50 PM  Panel Discussion: A Cloud Forensics Roadmap to Horizon
                  Moderator
                  – Dr. Josiah Dykstra , Computer Security Researcher , DoD
                  Panelists:
                  – Dr. Ken Zatiko,
                  – Inno Eroraha, Founder and Chief Strategist, NetSecurity Corporation
                  – Sam Brothers, Sr. Digital Forensics Engineer, US Customs and Border Protection (invited)
                  – Tomohiko Yamakawa, Research Program Director, NTT, Japan (invited)

4:50 PM - 5:00 PM  Meeting Summary and Roadmap briefing.

5:00 PM           Adjourn