OSA Incubator and NSF Workshop on
Scaling Terabit Networks: Breaking Through Capacity Barriers and Lowering Cost with New Architectures and Technologies
HOSTED BY THE CENTER FOR INTEGRATED ACCESS NETWORKS (CIAN)

19-20 September 2013
OSA Headquarters ● Washington, DC, USA

ORGANIZING COMMITTEE:
Keren Bergman, *Columbia University;* **Vincent Chan**, *Massachusetts Institute of Technology*
Daniel Kilper, *CIAN, College of Optical Sciences, University of Arizona;* **Inder Monga**, *ESnet, Energy Science Network*
George Porter, *University of California, San Diego;* **Kristin Rauschenbach**, *Raytheon BBN Technologies*

AGENDA

Thursday, 19 September 2013

8:00   Breakfast
OSA Headquarters, 2010 Massachusetts Ave. NW

8:30   Session 1-1: Welcome & Introduction
Elizabeth Rogan, Chief Executive Officer, OSA
Keith Marzullo, CNS Division Director, NSF
Bryan Lyles, CNS Program Director, NSF

8:45   Session 1-2: Plenary Presentations
Components and Systems Enabling Next Generation Optical Transmission and Networking
Chandra Sethumadhavan, Alcatel-Lucent, Bell Labs
Packet Optical 2.0: Scale, Program, Optimize
Bikash Koley, Google
One Data Networking Person's View of the Future
Craig Partridge, Raytheon BBN Technologies

10:30   Coffee Break

10:45   Session 1-3: Breakout 1—Key Trends, Obstacles & Opportunities
Group Chairs: *(Please proceed to room assignment for your group)*
Group A: Inder Monga, ESnet, Energy Science Network
Group B: Kristin Rauchenbach, Raytheon BBN Technologies
Group C: Vincent Chan, MIT

Thursday, 19 September 2013 (continued)

13:00	Lunch [provided onsite]

14:00   Session 1-4: Plenary Panel
           Moderator: Dan Kilper, CIAN, University of Arizona
           Panelists: Ori Gerstel, Cisco
                        Dave Farber, Carnegie Mellon University
                        Pete Magill, AT&T
                        Byrav Ramamurthy, University of Nebraska-Lincoln
                        Geoffrey Fox, Indiana University

15:15   Coffee Break

15:30   Session 1-5: Breakout 2—Metrics, Targets, & Capabilities
           (Please proceed to room assignment for your group)

17:45   Session 1-6: Summary and Wrap up of Day 1

18:15   Dinner
           Al Tiramisu, 2014 P St NW, Washington, DC

Friday, 20 September 2013

8:00   Breakfast
           OSA Headquarters, 2010 Massachusetts Ave. NW

8:45   Session 2-1: Review of Day 1 Outcomes

9:30   Session 2-2: Breakout 3—Research Priorities & Requirements
           (Please proceed to room assignment for your group)

10:30   Coffee Break

10:45   Session 2-2: Breakout 3—Research Priorities & Requirements (Cont'd)
           (Please proceed to room assignment for your group)

Friday, 20 September 2013 (continued)

12:00   Lunch [provided onsite]

13:00   Session 2-3: Review of Research Priorities & Requirements

14:00   Session 2-4: Plenary Prioritization

14:30   Session 2-5: Plenary Discussion—Application Drivers & Early Adopters

15:30   Session 2-6: Final Summary & Closing