OSA Incubator on Quantitative Modeling of Frequency-comb Sources

19-21 November
OSA Headquarters • 2010 Massachusetts Ave. NW • Washington, DC, USA

HOSTED BY:
Thomas F. Carruthers, *University of Maryland-Baltimore County;* ***Curtis Menyuk****, University of Maryland-Baltimore County;* **Nathan R. Newbury**, *National Institute of Standards and Technology;* **Sergei Turitsyn**, *Aston University;* **Stefan Wabnitz**, *University of Brescia*

DRAFT AGENDA

19 November 2014

Afternoon **Hotel Check-in**
The Hotel Palomar, 2121 P. St. NW., Washington, DC

6:00 **Welcome Dinner**
Ezme, 2016 P. St. NW., Washington DC

20 November 2014

8:00 **Breakfast**
2010 Massachusetts Ave, NW

8:30 **Welcome from OSA**
Elizabeth Rogan, CEO, The Optical Society, United States

8:45 **Welcome & Overview of the Program Goals**
HOSTS TBD

9:00 **Frequency Combs and Applications**
Steve Cundiff, JILA, United States

9:30 **High-Power Lasers**
Frank Wise, Cornell University, United States

10:00 **Microresonator-based Combs**
Alex Gaeta, Cornell University, United States

10:30 **Break**

11:00 **Dynamics**
Alexander Wai, Hong Kong Polytechnic University, China

20 November 2014, continued

11:30 **XUV Lasers**

To Be Determined

12:00 **Lunch, provided**

1:00 **Session 1: Solid-state & Fiber Laser Short-pulse Comb Generators**

Moderator: *Curtis Menyuk, University of Maryland Baltimore County, United States*

Panelists: *Ian Coddington, National Institute of Standards and Technology, United States*

Erich Ippen, Massachusetts Institute of Technology, United States

Frank Wise, Cornell University, United States

Additional Panelists to be Determined

3:00 **Break**

3:30 **Session 2: Schemes for Coherent Comb Generation**

Moderator: *Scott Papp, National Institute of Standards and Technology, United States*

Panelists: *Stephane Coen, University of Auckland, New Zealand*

Misha Sumetsky, Aston University, United Kingdom

Kerry Vahala, CalTech, United States

Additional Panelists to be Determined

5:30 **Day 1 Wrap-up & Next Steps**

6:00 **Dinner**

Location TBD

21 November 2014

8:00 **Breakfast**
2010 Massachusetts Ave, NW

8:30 **Session 3: Transfer and Applications of Optical Combs**
Moderator: *Nathan Newbury, National Institute of Standards and Technology, United States*
Panelists: *Steve Cundiff, JILA, United States*
Stojan Radic, University of California, San Diego, United States
Additional Panelists to be Determined

10:30 **Break**

11:00 **Session 4: Spatio-temporal Dynamics of Optical Combs**
Moderator: *Stefan Wabnitz, Università di Brescia, Italy*
Panelists: *Aurelien Coillet, National Institute of Standards and Technology, United States*
Miro Erkintalo, University of Auckland, New Zealand
Alex Gaeta, Cornell University, United States
Stojan Radic, University of California, San Diego, United States

1:00 **Lunch, provided**

2:00 **Wrap-up & Next Steps**