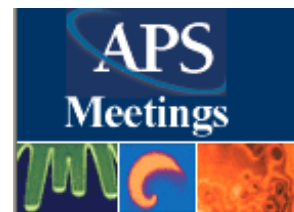


2008 APS March Meeting

Monday–Friday, March 10–14, 2008; New Orleans, Louisiana



Session Y7: Control of Light with Bacteriorhodopsin

Sponsoring Units: DBP DCP

Chair: Gopal Rao, University of Massachusetts-Boston

Morial Convention Center - RO5

Friday, March 14, 2008
11:15AM - 11:51AM

[Y7.00001: Earle K. Plyler Prize Talk: Stark Realities](#)

Invited Speaker: Steven Boxer (Stanford University)

[Preview Abstract](#)

Friday, March 14, 2008
11:51AM - 12:27PM

[Y7.00002: Protein-Based Three-Dimensional Memories and Associative Processors](#)

Invited Speaker: Robert Birge (University of Connecticut)

[Preview Abstract](#)

Friday, March 14, 2008
12:27PM - 1:03PM

[Y7.00003: Optical Fourier and Holographic Techniques for Medical Image Processing with Bacteriorhodopsin](#)

Invited Speaker: Chandra Yelleswarapu (University of Massachusetts Boston)

[Preview Abstract](#)

Friday, March 14, 2008
1:03PM - 1:39PM

[Y7.00004: Light manipulation with Bacteriorhodopsin membrane self-assembled on high-Q photonic structures](#)

Invited Speaker: Frank Vollmer (Rowland Institute at Harvard, Harvard University)

[Preview Abstract](#)

Friday, March 14, 2008
1:39PM - 2:15PM

[Y7.00005: The Integration of Bacteriorhodopsin Proteins with Semiconductor Heterostructure Devices](#)

Invited Speaker: Jian Xu (Penn State University)

[Preview Abstract](#)

Friday, March 14, 2008
2:15PM - 2:51PM

[Y7.00006: All-Optical Switching in Bacteriorhodopsin Based on Excited-State Absorption](#)

Invited Speaker: Sukhdev Roy (Dayalbagh Educational Institute)

[Preview Abstract](#)