

International Workshop

Novel Ideas in Optics: From Advanced Materials to Revolutionary Applications

May 31-June 2, 2012, Purdue University, West Lafayette, IN, USA

Scientific Program

Thursday, May 31

Morning Session (Burton Morgan Center, Room 121)

Metamaterials and Transformation Optics - I

Chair: Vladimir Shalaev (Purdue University, USA)

08:15 – 08:45	Continental Breakfast (Morgan Center Café)
08:45 – 09:00	Opening remarks: Vladimir Shalaev (Purdue University, USA)
09:00 – 09:30	John Pendry (Imperial College, UK)
09:30 – 10:00	Victor Veselago (A. M. Prokhorov Inst. of Gen. Phys., Russia)
10:00 – 10:30	Coffee Break (Morgan Center Café)
10:30 – 11:00	Evgenii Narimanov (Purdue University, USA)
11:00 – 11:30	David Smith (Duke University, USA)
11:30 – 12:00	Costas Soukoulis (Iowa State Univ. & Ames Lab, USA & FORTH, Greece)
12:00 – 14:00	Lunch (Birck Nanotechnology Center Atrium) + Tours of BNC

Afternoon Session (Burton Morgan Center, Room 121)

Metamaterials and Transformation Optics - II

Chair: Rich Hammond (Army Research Office & UNC, USA)

14:00 – 14:30	Federico Capasso (Harvard University, USA)
14:30 – 15:00	Nader Engheta (University of Pennsylvania, USA)
15:00 – 15:30	Natalia Litchinitser (SUNY Buffalo, USA)
15:30 – 16:00	Coffee Break (Morgan Center Café)
16:00 – 16:30	Maria Kafesaki (FORTH, Greece)
16:30 – 17:00	Igor Smolyaninov (BAE and University of Maryland, USA)
17:00 – 17:30	Ildar Gabitov (University of Arizona, USA)
17:30 – 18:00	Mark Brongersma (Stanford University, USA)
19:30	Conference Dinner The Dauch Alumni Center (presenter Gene Spafford)

Friday, June 1

Morning Session (Burton Morgan Center, Room 121)

Novel Plasmonics

Chair: Ian Osborne (Science, UK)

08:30 – 09:00	Continental Breakfast (Morgan Center Café)
09:00 – 09:30	Nadya Reingand (Patent Hatchery, USA)
09:30 – 10:00	Sergey Bozhevolnyi (University of Southern Denmark, Denmark)
10:00 – 10:30	Mikhail Lukin (Harvard University, USA)
10:30 – 11:00	Coffee Break (Morgan Center Café)
11:00 – 11:30	Xiang Zhang (University of California, Berkeley, USA)
11:30 – 12:00	Boris Luk'yanchuk (Data Storage Institute, Singapore)
12:00 – 12:30	Peter Nordlander (Rice University, USA)
12:30 – 13:30	Lunch (Morgan Center Café)

Afternoon Session (Burton Morgan Center, Room 121)

Active and Nonlinear Plasmonics

Chair: Rachel Won (Nature Photonics, Japan)

13:30 – 14:00	Mikhail Noginov (Norfolk State University, USA)
14:00 – 14:30	Allan Boardman (University of Salford, UK)
14:30 – 15:00	Naomi Halas (Rice University, USA)
15:00 – 15:30	Coffee Break (Morgan Center Café)
15:30 – 16:00	Anatoly Zayats (London College, UK)
16:00 – 16:30	Alexander Popov (University of Wisconsin Stevens Point, USA)
16:30 – 17:00	Jacob Khurgin (Johns Hopkins University, USA)
17:00 – 17:30	Alexei Sokolov (Texas A&M University, USA)
17:30 – 18:30	Poster Session (Birck Nanotechnology Center Atrium)
20:00	Conference Dinner The Shively Center at Ross Ade Stadium (presenter Gerhard Klimeck)

Saturday, June 2

Morning Session (Burton Morgan Center, Room 121)

Future Optics

Chair: Joerg Heber (Nature Materials, UK)

08:30 – 09:00	Continental Breakfast (Morgan Center Café)
09:00 – 09:30	Marlan Scully (Texas A&M University, USA)
09:30 – 10:00	Andrew Weiner (Purdue University, USA)
10:00 – 10:30	Mordechai Segev (Technion, Israel)
10:30 – 10:45	Coffee Break (Morgan Center Café)
10:45 – 11:15	Demetrios Christodoulides (University of Central Florida CREOL, USA)
11:15 – 11:45	Robert Boyd (University of Ottawa, Canada)
11:45 – 12:15	Mikhail Ivanov (Imperial College, UK)
12:15 – 13:00	Lunch (Morgan Center Café)

Afternoon Session (Burton Morgan Center, Room 121)

From Discovery to Device

Chair: Alexander Kildishev (Purdue University, USA)

13:00 – 13:30	Sergei Turitsyn (Aston University, UK)
13:30 – 14:00	Olga Smirnova (Max Born Institute, Germany)
14:00 – 14:30	Yurii Vlasov (IBM, USA)
14:30 – 15:00	Harry Atwater (California Institute of Technology, USA)
15:00 – 15:30	Coffee Break (Morgan Center Café)
15:30 – 16:00	Martin Moskovits (City College of New York, USA)