
Metamaterials Science & Technology Workshop Schedule

SUNDAY, JULY 19, 2015

5-7 P.M.	Welcome Reception in the Olive Lawn (meet and greet)	Estancia Hotel 9700 N Torrey Pines Rd La Jolla, CA 92037
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MONDAY, JULY 20, 2015

7:30 A.M.	Buses Depart La Jolla Shores Hotel and Estancia Hotel to Scripps (second run departs at 8:00am)	Hotel Lobby
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8:00 A.M.	MSTW Registration Opens and breakfast available	Scripps Courtyard 8610 Kennel Way La Jolla, CA 92037
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8:30 A.M.	Welcoming remarks: David Smith, Director of the Center for Metamaterials and Integrated Plasmonics (CMIP), Dimitri Basov and Willie Padilla	Scripps Auditorium
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9:00 A.M.	Keynote: "Not everything was negative" John Pendry, Imperial College	Scripps Auditorium
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10:00 A.M.	"Nonlinear high-field response of terahertz metamaterials" Richard Averitt, University of California San Diego	Scripps Auditorium
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10:30 A.M.	CST Sponsored Break	Scripps Courtyard
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11:00 A.M.	"Tunable and Nonlinear Metasurfaces: Metamaterials Meet Optoelectronics" Igal Brener, Sandia	Scripps Auditorium
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11:30 A.M.	"Applied Acoustic Metamaterials" Steve Cummer, Duke University	Scripps Auditorium
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12:00 P.M.	LUNCH	Scripps Ocean view patio
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METAMATERIALS SCIENCE & TECHNOLOGY WORKSHOP SCHEDULE

1:30 P.M.	Plenary: "Electronically Tunable Metamaterials" Harry Atwater, Caltech	Scripps Auditorium
2:15 P.M.	"Informatic Metastructures" Nader Engheta, University of Pennsylvania	Scripps Auditorium
2:45 P.M.	"Nanophotonics Technology" Shaya Fainman, University of California San Diego	Scripps Auditorium
3:15 P.M.	"Tunable Light-matter Interaction With Quantum Spillover and 2D materials" Nicholas Fang, Massachusetts Institute of Technology	Scripps Auditorium
3:45 P.M.	Closing remarks before poster session	Scripps Auditorium
4:00 P.M.	Poster Session (poster numbers 1-17) and refreshments provided	Rooms 155 & 160
5:00 P.M.	Buses depart to La Jolla Shores and Estancia Hotel (second run 5:45 p.m.)	Scripps Courtyard

TUESDAY, JULY 21, 2015

7:30 A.M.	Buses depart La Jolla Shores Hotel and Estancia Hotel to Scripps (second bus at 8:00am)	Hotel Lobby
8:00 A.M.	PhD poster presenters, breakfast with John Pendry, Nathan Kundtz and conference organizers	Room 165
9:00 A.M.	Morning welcome, David Smith and introduction to commercialization efforts of metamaterials	Scripps Auditorium
9:15 A.M.	Keynote: "Kymeta and the mass-market commercialization of metamaterials" Nathan Kundtz, President and CEO of Kymeta	Scripps Auditorium
10:15 A.M.	"Echodyne's challenge: Establishing a fast design cycle for productization of metamaterial-based imaging radar systems" Tom Driscoll, Echodyne	Scripps Auditorium
10:45 A.M.	CST Sponsored Break	Scripps Courtyard
11:00 A.M.	"Metamaterials: An Investor's Story How to invest in a technology when you're not sure what it's good for" Casey Tegreene, Intellectual Ventures	Scripps Auditorium
11:30 A.M.	"Development of Metamaterial for Military Applications" Anthony Starr, Sensormetrix	Scripps Auditorium

METAMATERIALS SCIENCE & TECHNOLOGY WORKSHOP SCHEDULE

12:00 P.M.	“Modular and metamaterial approaches to physical security” Alec Rose, Evolv Technologies	Scripps Auditorium
12:30 P.M.	LUNCH	Scripps ocean view patio
1:30 P.M.	Plenary: “All-dielectric nanophotonics and metadevices: From Fano resonance to functional metasurfaces” Yuri Kivshar, Australian National University	Scripps Auditorium
2:15 P.M.	“Optical Metamaterials Resonances with Large Quality Factors” Costas Soukoulis, AMES Lab / Iowa State University	Scripps Auditorium
2:45 P.M.	“2D and 3D Metamaterials: Physical Realization and Heterogeneous Integration” Nan Jokerst, Duke University	Scripps Auditorium
3:15 P.M.	“Quantum Plasmonic Metamaterials” Zhaowei Liu, University of California San Diego	Scripps Auditorium
3:45 P.M.	“Singular Optics in the Meta-World” Natalia Litchinster, University of Buffalo	Scripps Auditorium
4:15 P.M.	Closing remarks before poster session	Scripps Auditorium
4:30 P.M.	Poster Session (poster numbers 18-34) and refreshments provided	Rooms 155 & 160
5:30 P.M.	Buses depart to La Jolla Shores and Estancia Hotel	Scripps Courtyard
6:30 P.M.	Buses depart La Jolla Shores and Estancia Hotel to banquet dinner	Hotel Lobby
7:00 P.M.	Banquet dinner for registered attendees only	Birch Aquarium
9:00 P.M.	Buses return guests to La Jolla Shores and Estancia Hotel	

WEDNESDAY, JULY 22, 2015

8:15 A.M.	Buses depart La Jolla Shores Hotel and Estancia Hotel to Scripps (second run 8:45am)	Hotel Lobby
9:15 A.M.	Morning welcome from organizers	Scripps Auditorium
9:30 A.M.	Plenary: “Recent progress on metamaterials in optics, thermodynamics, mechanics, and magneto-transport” Martin Wegener, Karlsruhe Institute of Technology	Scripps Auditorium
10:15 A.M.	“Control of Radiative Processes using Colloidally Synthesized Plasmonic Nanocavities” Maiken Mikkelsen, Duke University	Scripps Auditorium

METAMATERIALS SCIENCE & TECHNOLOGY WORKSHOP SCHEDULE

10:45 A.M.	“Metamaterials for Single Pixel Imaging at Long Wavelengths” Willie Padilla, Duke University	Scripps Auditorium
11:15 A.M.	CST Sponsored Break	
11:30 A.M.	“Photonic Hypercrystals” Evgenii Narimanov, Purdue	Scripps Courtyard
12:00 P.M.	“Merging Metamaterials with Quantum Photonics” Vladimir Shalaev, Purdue	Scripps Auditorium
12:30 P.M.	LUNCH	Scripps Ocean View Patio
1:30 P.M.	Plenary: “Optical Antennas; Spontaneous Emission Faster Than Stimulated Emission” Eli Yablonovitch, Berkeley	Scripps Auditorium
2:15 P.M.	“Photonic Topological Insulators Based on Metamaterials: Molding the Flow of Light Around Corners and Obstacles” Gennady Shvets, University of Texas at Austin	Scripps Auditorium
2:45 P.M.	“Metamaterials for Defense Applications” Augustine Urbas, AFOSR	Scripps Auditorium
3:15 P.M.	“Metamaterials: In Pursuit Of Globally Optimal Designs” Yaroslav Urzhumov, Duke University/Intellectual Ventures	Scripps Auditorium
3:45 P.M.	“Metamaterials: Optical Properties on Demand” Nikolay Zheludev, Southampton University	Scripps Auditorium
4:15 P.M.	“Non-Hermitian Optics and Parity-time Symmetry in Metamaterials” Xiang Zhang, Berkeley	Scripps Auditorium
4:45 P.M.	Poster award and closing remarks	Scripps Auditorium
5:15 P.M.	Buses depart to La Jolla Shores and Estancia Hotel (second run at 5:45 p.m.) -- workshop conclusion	Scripps Courtyard