CMR Research Seminars

The Center for Materials Research at Norfolk State University holds a series of seminars on Friday afternoons. Unless stated otherwise, the seminars are held at 1:30-2.30 pm in Room 308 The Marie V. McDemmond Center for Applied Research. Refreshments will be served at 1 pm. Speakers are asked to prepare a seminar of around 45 minutes in length in order to allow adequate time for questions and discussion. We also have sessions with two or three short (15-20 min) talks, where students present their work.

#	Date	Speaker	Topic
147	20-May-11	Emmanuel Giannelis, Cornell University, Ithaca, NY	
146	22-Apr-11	Jaetae Seo, Hampton University	
145	15-Apr-11	Peter Delfyett , Central Florida	
144	8-Apr-11	University of Kansas	
143	25-Mar-11	Elias Towe, Carnegie Mellon	
142	18-Mar-11	Francis Wakeham, BAH	
141	4-Mar-11	Nader Engetta, U. Penn, PA	Taming Light and Electrons with Metamaterials
140	19-Feb-11	Prasad, NASA LaRC	
139	Feb. 11, 2011	Lucas Navotny, University of Rochester, NY	Enhancing the Light-Matter Interaction with Optical Antennas
138	Nov. 24	J. Miller, Brookhaven National Laboratory, Upton NY	Charge delocalization and transport in conjugated molecules: "molecular wires" for photovoltaics
137	Nov. 12	M. Stockman, Gerogia State University, Atlanta GA	Nanoplasmonics: Smaller, Stronger, Faster!
136	Nov. 5	CMR Students, Norfolk State University, Norfok VA	Research Presentations
135	Oct. 29, 2010	Diola Bagayoko, Ph.D, Southern University and A&M College	A Mathematical Solution to the Energy and Band Gap Problem and Applications
134	Oct.22, 2010	Dr. Sudhir Trivedi, Brimrose Corporation	II-VI materials Technology and Their Applications
133	Oct. 15, 2010	C. B.Samantaray, Ph.D. University of Kentucky	Spatial-phase-locked electron-beam lithography (SPLEBL) : A promising mask less nanopatterning tool
132	Oct. 8, 2010	CMR Students, Norfolk State	Research Presentations

		University, Norfok VA	
131	Sept.24, 2010	V. Gavrilenko**,** Norfolk State University, Norfok VA	Advanced Noninvasive Diagnostics of Surfaces and Nanostructures
130	Sept. 10	Ch. Zhang, Norfolk State University, Norfok VA	Molecular Engineering of Highly Dipolar Nonlinear Optical Chromophores — Toward taming of electrostatic forces
129	7-Sep	Jacob B. Khurgin, J. Hopkins University, Baltimore, MD	Linear and Nonlinear Optical Devices
128	Sept. 3	Sam-Shajing Sun, Norfolk State University, Norfok VA	Plastic Solar Cells Research at NSU
127	27-Aug	A. Urbas Materials Directorate, Air Force Research Laboratory	Applied Metamaterials
126	15-July	Doyle Temple, Hampton Univ.	
125	16-Apr	H. Elsayed-Ali, Old Dominion University, Norfolk VA	Recent Pulsed Laser Deposition Studies at the Applied Research Center
124	9-Apr	V. A. Pudjabi, Norfolk State University, Norfolk, VA	Measurement of the Proton's Electric and Magnetic Form Factor Ratio to large Q2. New results from Jefferson Lab
123	2-Apr-10	N. Litchinitser, The State University of New York in Buffalo, Buffalo, NY	Photonic Metamaterials: From Linear to Nonlinear Optics
122	26-Mar-10	T. Abdel-Fattah, Newport News University, Newport News, VA	
121	19-Feb-10	R. Wynne,Villanova University,Villanova, PA	Photonic Crystal Fibers: From Fiber Fabrication to Sensing Applications
120	Feb. 12, 2010	R. Bhure, NSU	Research Presentations
119	29-Jan-10	H.. L, P. Ravichandran, NSU	Research Presentations
118	22-Jan-10	T. Matos, K. Zhang, NSU	Research Presentations
117	Nov. 20 2009	Ch. Liddell, Cornell U.	Photonic Crystals via Confinement of Anisotropic Colloids
116	13-Nov-09	S. Anlage	Novel Properties of Superconducting Metamaterials
115	5-Nov-09	Y. Enami, Hiroshima U, Japan	Polymer Electro-Optic Modulators
114	October 16, 2009	K. Seo, NSU	Fabrication and Characterization of Niobium Thin Films for SRF Applications
113	October 9, 2009	S. Myers	NASA Fellowship Opportunities
112	2-Oct-09	E. Narimanov, Purdue U.	Radiative Decay Engineering with Metamaterials
111	September	D. Smith, Duke University	Controlling light with transformation

	25, 2009		optics
110	21-Sep-09	G. Klimeck, NCN, Purdue U	Your Career Choices after Graduate School and The Most-Neglected Item in your Career Development: Communication Skills
109	April 24, 2009	NSU OSA Chapter students	Poster presentations
108	17-Apr-09	R. Rakhimov, CMR NSU	Materials and Methods for Chemical Activation of CO2
107	27-Mar-09	D. Gust, Arizona State University, AZ	Bioinspired Approaches to Solar Energy Conversion
106	12-Mar-09	F. Rosei, INRS-EMT, Quebec, Canada	Strategies for controlled assembly at the nanoscale
105	23-Jan-09	N. K. Glover, Brooks Inst	Measuring Gass Flows Using MFSc
104	17-Oct-08	H. Weinstrock , AFOSR	
103	October 9, 200	Nobel Laureate, John L.. Hall, University of Colorada and NIST	The Optical Frequency Comb—A Remarkable Tool for Metrology, Science and Medical Diagnostics
102	19-Sep-09	A. Gavrilenko, NSU	Results of summer research
101	12-Sep-08	T. Weaver, NSU	Results of summer research
100	20-Jun-08	A.D. Cropper	Some Research&Development Activities Related to Innovations
99	16-May-08	V.A. Atsarkin, IRE, Moscow, Russia	Medical Hyperthermia with magnetic nanopaerticles
98	9-May-08	Y. Li, Chinese Academy of Sciences, China.	Conjugated polymer photovoltaic materials and polymer solar cells
97	2-May-08	I. Gabitov, University of Arizona, Tucson, AZ	Light propagation through the interface of optical materials with negative index of refraction
96	7-Mar-08	R. A. Lukaszew, W&M	Metallic and magnetic nanostructured thin films
95	Feb 22, 2008	J. Su and T.-B. Xu, NASA and NIA, Hampton, VA	Electrostrictive Polymers (ESP), ESP-based Devices, and Their Applications
94	Feb 15, 2008	Sh. Priya, Virginia Tech, VA	Piezoelectric energy harvesting
93	December 7, 2009	T. L. Benanti, University of Massachussetts, Amherst, MA	Synthesis, Processing and Properties of Some Novel Polymers for Potential Solar Cell Applications.
92	16-Nov-09	P. Lillehei, NASA Langley	Presentation
91	9-Nov-09	Hui Liu, UVA	The spontaneous and controlled growth of C60 on graphite surface and the formation of Au clusters on C60 surface
90	2-Nov-07	I. Bondarev, NC	NCSurface Electromagnetic

			Phenomena in Pristine and Doped Carbon Nanotubes
89	5-Oct-07	E. Narimanov, Purdue University	The Hyperlens: far-field optical imaging beyond the diffraction limit
88	28-Sep-07	A. Khitrin, Kent University	Quantum Amplification
87	May 25, 2007	S. Tretiak, Los-Alamos National Lab	Optical response and photodynamics of functional organic materials
86	20-Apr-07	V. Shalaev, Purdue University	Optical Metamaterials
85	30-Mar-07	D. Filho, Georgia Institute of Technology	Charge Transport in Organic Semiconductors
84	March 23, 2007	OSA Student Chapter	Student presentations
83	2-Mar-07	R. Gentilman, Raytheon	Ceramic Materials for Solid State Lasers
82	2-Feb-07	I. Novikova, The College of William & Mary	Manipulation of light with atomic ansembles (and vice versa)
81	January 26, 2007	A. Paul, NIST	NIST compound semiconductor standard reference materials
80	1-Dec-06	K. Seo, A. Pradhan, V. Gavrilenko, Yu. Barnakov, Sh. Maaref, Ch. Zhang. M. Bahoura, CMR NSU	Research presentations
79	10-Nov-06	M. Kukla, NSF & University of Nevada Las Vegas	Ab initio study of molecular crystals: structure-property relationship in energetic materials
78	20-Oct-06	A. Mahapatro, NSU	Biocatalytic Synthesis and Surface Modification of Biomaterials
77	28-Apr-06	A. Litvinchuk, University of Houston, TX	Structure-Properties relations of manganites: an optical spectroscopy study
76	April 21, 2006	V. Podolskiy, Oregon State University	Strongly anisotropic metamaterials for negative refraction
75	14-Apr-06	NSU Students	Presentations
74	April 7, 2006	V. Prozorov, Rutgers Univeristy	Charge carrier transport and optical properties of single crystal organic field-effect transistors
73	31-Mar-06	Ch. Atzemis, Pyrois Corp	Solar cells and solar energy. Technology and industrial prospective
72	March 24, 2006	V. A. Atsarkin, IRE	Some biomedical applications of magnetism
71	17-Feb-06	E. Feldman, Institute of Chem. Phys. Russia	From celestial mechanics to quantum computing through spin dynamics
70	2-Dec-05	Mark Brongersma, Standford University	Presentation

69	18-Nov-05	R. Sobolewski, University of Rochester	Single Photon Optical Detectors based on Superconducting Nanostructures
68	11-Nov-05	V. Gavrilenko, NSU	Optical Properties of Organic Materials for Photonics Enhancement of Emission in the mixture of Rhodamine 6G and Ag aggregates
67	28-Oct-05	Ch. Zhang, NSU	Conjugate Polymers for photovoltaics: design, synthesis and characterization
66	5-Oct-05	M. Pollnau, University of Twente	Optical waveguides in crystalline oxide materials
65	30-Sep-05	R. Watt, University of New Mexico	The synthesis of technologically relevant materials in ferritin
64	23-Sep-05	N. Noginova, NSU	Ferromagnetic Nanoparticles: between para- and ferromagnetism
63	16-Sep-05	K. Kulasinski, UVA	Tailoring Silicon Optical and Structural Properties with Chemical and Laser-Assisted Methods
62	September 9,	A Vovk , University of New Orleans	Giant Magnetoresistance in Magnetic Recording Media Applications
61	2-Sep-05	V. Astratov, UNCC	Photonic Integrated Circuits formed vy Coupled Utrla-High-Q Spherical Cavities
60	5-May-05	A. Jen, University of Washington	Exceptional Photonic and Opto-electronics Properties
59	3-May-05	S. Jenekhe, University of Washington	New Materials for High Performance Organic Light Emitting Diodes for Displays
58	22-Apr-05	V. Shalaev ,Purdue University	Plasmonic Nanophotonics
57	15-Apr-05	A.Z.Genack, Queens College of CUNY	Presentation
56	8-Apr-05	OSA Student Chapter, NSU	Student Presentations
55	1-Apr-05	L. Friedersdorf, VNI	Nanotechnology in Virginia
54	18-Feb-05	J. Haus, Dayton	Nanophotonics: Materials to Devices
53	4-Feb-05	Paul Maggard, NCSU	Hydrothermal Synthesis of Layered and Composited Transition Metal Oxides and Their Photocatalytic Properties.
51	28-Jan-05	F.DiSalvo , Cornell University	Fuel Cells: Many Materials Challenges and Opportunities