

Winter School on Nanoelectronic and Nanophotonics
 Bilkent University
 Ankara, Turkey
 19-25 January 2008

	19 January 2009 Monday
15:00-19:00	Registration
19:00-20:00	Dinner

	20 January 2009 Tuesday
07:00-08:30	Breakfast
08:30-09:20	Karl Heinz Heinig: Fundamentals of Ion Beam Synthesis of Nanostructures
09:30-10:20	Karl Heinz Heinig : Formation of nanodots, nanowires, wormholes etc. driven by capillary forces-reaction pathways predicted by atomistic simulations.
10:20-10:50	Coffee Break
10:50-11:40	Karl Heinz Heinig : Spontaneous formation of regular nanopattern on surfaces during thin film deposition and ion beam erosion.
11:50-12:40	Panagiotis Dimitrakis: Nanoparticle memories: CMOS, Organic and hybrid approaches
12:40-14:00	Lunch
14:00-14:50	Panagiotis Dimitrakis: Nanoparticle memories: CMOS, Organic and hybrid approaches
15:00-15:50	Panagiotis Dimitrakis: Nanoparticle memories: CMOS, Organic and hybrid approaches
16:00-16:50	Discussion
16:50-19:00	Free
19:00-20:00	Dinner

21 January 2009 Wednesday	
07:00-08:30	Breakfast
08:30-09:20	Raşit Turan: Semiconductor Nanocrystals for Third Generation Solar Cells
09:30-10:20	Ceyhun Bulutay : Linear and Nonlinear Optical Properties and Carrier Dynamics in Si and Ge Nanocrystals"
10:20-10:50	Coffee Break
10:50-11:40	Ceyhun Bulutay: Linear and Nonlinear Optical Properties and Carrier Dynamics in Si and Ge Nanocrystals"
11:50-12:40	Şefik Süzer: Optics of Metallic Nanoparticles
12:40-14:00	Lunch
14:00-14:50	Alain Dereux: Surface Plasmon Photonics and Opto-Electronics
15:00-15:50	Alain Dereux: Surface Plasmon Photonics and Opto-Electronics
16:00-16:50	Discussion
16:50-19:00	Free
19:00-20:00	Dinner

22 January 2009 Thursday	
07:00-08:30	Breakfast
08:30-09:20	Alain Claverie: Recent developments of Transmission Electron Microscopy for the characterization of nanostructures.
09:30-10:20	Alain Claverie: Recent developments of Transmission Electron Microscopy for the characterization of nanostructures.
10:20-10:50	Coffee Break
10:50-11:40	Erman Bengü: In-situ TEM
11:50-12:40	Servet Turan: Nano-scale characterization by electron microscopy
12:40-14:00	Lunch
14:00-14:50	Oğuzhan Gürlü: Fundamental Concepts in Scanning Tunneling Microscopy and Spectroscopy
15:00-15:50	Oğuzhan Gürlü: Applications of STM/STS to Nanoelectronics/photonics
16:00-16:50	Discussion
16:50-19:00	Free
19:00-20:00	Dinner

23 January 2009 Friday	
07:00-08:30	Breakfast
08:30-09:20	Oğuz Gülseren: First Principles Modeling of Nano Structures I
09:30-10:20	Ramon Aguado: Quantum Shot Noise in Nanostructures
10:20-10:50	Coffee Break
10:50-11:40	Ramon Aguado: Quantum Shot Noise in Nanostructures
11:50-12:40	Phillip Russell: Two dimensional Bloch wave optics
12:40-14:00	Lunch
14:00-14:50	Phillip Russell: Photonic crystal fibres I: Basics
15:00-15:50	Phillip Russell: Photonic crystal fibres II: Applications
16:00-16:50	Discussion
16:50-19:00	Free
19:00-20:00	Dinner

24 January 2009 Saturday	
07:00-08:30	Breakfast
08:30-09:20	Hartmut Roskos: Semiconductor superlattices-From coherent carrier dynamics to novel THz amplifiers and lasers”
09:30-10:20	Hartmut Roskos: Semiconductor superlattices-From coherent carrier dynamics to novel THz amplifiers and lasers”
10:20-10:50	Coffee Break
10:50-11:40	Alper Kiraz: Triggered single photon sources and their applications in quantum key distribution and quantum information processing”
11:50-12:40	Alper Kiraz: Triggered single photon sources and their applications in quantum key distribution and quantum information processing”
12:40-14:00	Lunch
14:00-14:50	Volkan Demir: Semiconductor Nanocrystals for Solid State Lighting
15:00-15:50	Volkan Demir: Metal Nanoparticle coupling and Forster Energy Transfer in Semiconductor Nanocrystals for Solid State Lighting
16:00-16:50	Discussion
16:50-19:00	Free
19:00-20:00	Dinner

25 January 2009 Sunday	
07:00-08:30	Breakfast
08:30-09:20	Özgür Özer: Atomic Force Microscopy: Imaging and force spectroscopy
09:30-10:20	Atila Aydınli: Grating Based Plasmons
10:20-10:50	Coffee Break
10:50-11:40	Wilfred van der Wiel: Nanoelectronics: Besides and Beyond Moore
11:50-12:40	Wilfred van der Wiel: Nanoelectronics: Besides and Beyond Moore
12:40-14:00	Lunch
15:00-	Departure to ILGAZ for Workshop Attendees by bus.
	Bring your skis!
	On second thought, check global warming first!
19:00-20:00	

