

Welcome to the

N4E 2nd User's Meeting

16 - 17 June 2014

Nippon Hotel - Shougun Meeting Room,
Topçu Caddesi No: 6, 34437
Taksim - İstanbul / TÜRKİYE



Day 1

16 June 2014

Registration	Coffee Service	09:00 - 09:15
Gonçal Badenes (ICFO, N4E Project Coordinator)	Welcome	09:15 - 09:20
Session 1	Session Chair: Hilmi Volkan Demir	
Nikolai Gaponik (TU Dresden, Germany)	“Colloidal quantum dot architectures for nanophotonics” Plenary Talk.	09:20 - 10:00
Evren Mutlugün (AGÜ, Turkey)	“Semiconductor quantum dots for novel light harvesting in optoelectronics and biotechnology” Invited Talk.	10:05 - 10:25
Burak Güzeltürk (Bilkent University, Turkey)	“Colloidal quantum well lasers” Invited Talk.	10:30 - 10:50
Coffee Break		10:55 - 11:25
Session 2	Session Chair: Gonçal Badenes	
Michael Salter (Acreo, Sweden)	“Nano Photonics Research at Acreo Swedish ICT” Invited Talk	11:25 - 11:45
Aydan Yeltik (Bilkent University, Turkey)	“Phonon-assisted nonradiative energy transfer into silicon using nanoemitters”	11:50 - 12:05
Mael Brossard (University of Southampton, UK)	“Resonance energy transfer enabled luminescence down-shifting in InGaP solar cells”	12:10 - 12:25
Lunch at Nippon Hotel		12:30 - 14:00
Session 3	Session Chair: Ramón Alcobilla	
Pelayo Garcia de Arquer (ICFO, Spain)	“Multiband Tunable Large Area Hot Carrier Plasmonic-Crystal Photodetectors”	14:00 - 14:15
Dennis Visser (KTH, Sweden)	“Investigation of Schottky contacts on III-V nanodisks/Si hybrid structures for solar cell applications”	14:20 - 14:35
Moisés Garín Escrivá (UPC, Spain)	“Single-step multiple-layers wafer slicing from macroporous silicon”	14:40 - 14:55
Coffee Break		15:00 - 15:30
Session 4	Session Chair: Nihan Kosku Perkgöz	
Filippo Pratesi (LENS, Italy)	“Light trapping structures with engineered disorder for thin-film Silicon solar cells”	15:30 - 15:45
Beatriz Romero (Universidad Rey Juan Carlos, Spain)	“Impedance spectroscopy analysis of small molecule solution processed organic solar cell”	15:50 - 16:05
Pablo Aitor Postigo (ICMM-CSIC, Spain)	“The quest for efficient and low-cost lasing sources in the NIR”	16:10 - 16:25
Closing Day 1		16:30
Network Dinner at Suda Kebap Restaurant (For the dinner, we are going to meet at Nippon Hotel Lobby at 17:45.)		18:00 - 23:00

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Day 2

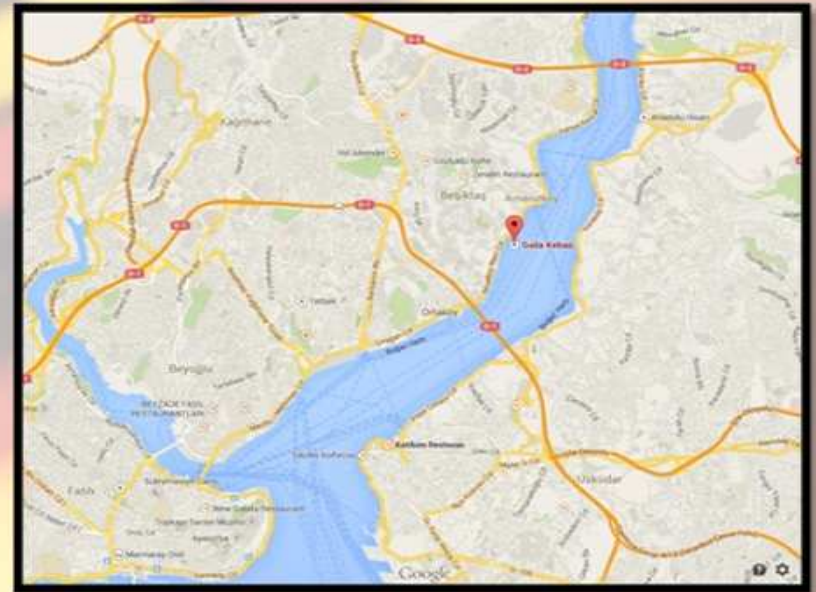
17 June 2014

Opening - Day 2	Coffee Service	08:30 - 09:00
Session 5	Session Chair: Nikolai Gaponik	
Nihan Kosku Perkgöz (Anadolu University, Turkey)	"Allotropes of graphene and their potential for different applications" <i>Invited Talk</i>	09:00 - 09:20
Dominik Kufer (ICFO, Spain)	"Hybrid 2-dimensional - 0-dimensional MoS ₂ -PbS quantum dot photodetectors"	09:25 - 09:40
Marcus Müller (TU Dresden, Germany)	"Quantum dot-salt mixed crystals: Fabrication of stable and processable composites"	09:50 - 10:00
Yusuf Keleştemur (Bilkent University, Turkey)	"Type-tunable and low threshold optical gain from core-seed CdSe/CdS nanorods"	10:05 - 10:20
Vladimir Sayevich (TU Dresden, Germany)	"Synthesis and optimization of colloidal quantum dots as charge transport materials for optoelectronics"	10:25 - 10:40
Dmitry Yu. Fedyanin (Moscow Institute of Physics and Technology, Russia)	"Electrically driven diamond single-photon source at the nanoscale"	10:45 - 11:00
Coffee Break		11:05 - 11:35
Session 6	Session Chair: Álvaro Blanco	
Ahu Gümrah Dumanlı (University of Cambridge, UK)	"Nanoengineering of functional metal oxides by using cellulosic templates"	11:35 - 11:50
Bikash Dev Choudhury (KTH, Sweden)	"Semiconductor nanostructures for light management"	11:55 - 12:10
Konstantinos Petridis (Technological Educational Institute of Crete, Greece)	"Recent advances in the applications of laser pulse matter interaction in the field of organic electronic materials and devices"	12:15 - 12:30
André Costa Moreira Espinha (ICMM-CSIC, Spain)	"Fine tuning of light transport in resonant random media"	12:35 - 12:50
Johann Osmond (ICFO, Spain)	"Nanofabrication facility at ICFO: opportunities"	12:55 - 13:10
Closing remarks		13:15 - 13:30
Closing Day 2		13:30
City Tour (with lunch box)		13:30 - 17:30



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AN ISLAND BETWEEN TWO CONTINENTS





Istanbul City Tour

