

School of Physical Sciences

Seminar Series 2012-2014

Seminars





Seminars normally take place in room N115 at 16:00 on the times/dates listed. Last updated June 12th 2014.

All Welcome.


Seminar Series run by: Dr. Lampros Nikolopoulos (Lampros.Nikolopoulos@dcu.ie)

A list of previous seminars can be seen [here](#).

Physics Building N115

Date	Venue	Speaker	Title & Subject	Abstract
Thur Jun. 12th, 2014, 14:00	Physics Building N115	Dr Shantanu Karkari	An overview of experimental objectives on the APPEL linear plasma device at the institute for Plasma Research, Gandhinagar, Gujarat, India	 Abstract (PDF)
Thur Apr. 24th, 2014, 16:00	Physics Building N115	Dr Stefan Pabst	Electronic many- body physics on an ultrafast time scale	 Abstract (PDF)
Thur Mar. 20th, 2014, 16:00	Physics Building N115	Prof. Greg Hughes, DCU	Chemical and structural characterization of copper diffusion barrier layers for future transistor interconnect applications	 Abstract (PDF)
Thur Mar. 13th, 2014, 16:00	Physics Building N115	Dr Tomasso Mazza	Direct and sequential multi- photon processes in rare-gas atoms	
Thur Feb. 20th, 2014, 16:00	Physics Building N115	Prof. Miran Mozetic	Application of extremely non- equilibrium oxygen plasma: from biomedicine to automotive industry	 Abstract (PDF)

Wednesday Jan 29th 2014, 16:00	HG19	Prof. Matt Griffin	IOP Seminar: The Herschel Space Observatory and Beyond	 Abstract (PDF)
Thursday Dec 12th 2013, 16:00	Physics Building N115	Dr. Shastun Vitalii, University of Kiev, Ukraine	Energy spectra and electrical properties of carbon nanotubes doped with N and Cr.	 Abstract (PDF)
Friday Nov 21st 2013, 15:00	Physics Building N115	Prof. Michael Naughton, Boston University, USA	The Near and Far: Nano-Architectures for Novel Plasmon- Photon Coupling	 Abstract (PDF)
Thursday Nov 14th 2013, 16:00	Physics Building N115	Prof. Martyn Pemble, UCC, Cork, Ireland.	Advanced Thin film Technologies for Next Generation Devices	 Abstract (PDF)
Thursday May 16th 2013, 16:00	Physics Building N115	Prof. David A. Reis, PULSE Institute, SLAC National Accelerator Laboratory and Stanford University	Watching atoms move with an x-ray free electron laser.	 Abstract (PDF)
Monday April 29th 2013, 16:00	Physics Building N115	Dr. Mehrdad Balandeh, Centre for Nanoscience & Technology, Italian Institute of Technology, Milan	Hyperbranched nano- heterostructures for high efficiency photoelectrochemical hydrogen generation	The talk will address the fabrication of nanostructure semiconductors such as TiO ₂ , WO ₃ , SnO ₂ , Fe ₂ O ₃ , and CdS by Pulsed Laser Deposition for dye- sensitized solar cell, hybrid solar cell and photoelectrochemical water splitting applications.
Thursday April 19th 2013, 16:00	Physics Building N115	Dr. Emma Sokel, University College Dublin, IE	Charged particle spectroscopy at UCD	 Abstract (PDF)
Thursday April 11th 2013, 16:00	Physics Building N115	Dr. Cr��idhe O'Sullivan, NUI Maynooth, IE	A search for temperature and polarisation fluctuations in the cosmic microwave background" (Astronomy)	
Thursday March 14th 2013, 16:00	Physics Building N115	Dr A. Emmanouilidou University College London, UK	Attosecond phenomena in atomic and molecular systems	

Thursday 7th March 2013, 16.00	Physics Building N115	Dr Christy Charlton, Dublin City University, IE	Shining a Light on Substrate Character: identifying the optimal components for tomorrow's point-of-care diagnostics	 Abstract (PDF)
Thursday 14th February 2012, 16.00	Physics Building N115	Prof. Wade Allison Oxford University	Science Misunderstood: Nuclear Radiation and its Effects	

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Date	Venue	Speaker	Title & Subject	Abstract
Thu: Dec 13th 2012 16:00	Physics Building, N115	Dr. Rob O'Connor, DCU	'MOSFET reliability in the age of aggressive scaling'	
Thu: Nov 29th 2012 16:00	Physics Building, N115	Dr. Christy Charlton, DCU	Shining a Light on Substrate Character: identifying the optimal components for tomorrow's point-of-care diagnostics	
Thu: Nov 22nd 2012 16:00	Physics Building, N115	Dr. Tara Dalton, (from Stokes Institute) & Dept. of Mechanical and Aeronautical Engineering,	Digital PCR and its potential for genetic diagnostics	Bio

		Univ. of Limerick		
Thu: 19 July 16.00	Physics Building, N115	Prof. M. Nauenberg,	Teaching Newton's natural philosophy in the 18-th century	
Wed: 13 June 2012 16.00.	N115 (Physics Building)	Dr. A. R. Ganesan, Indian Institute of Technology, Madras, India	Adaptive Optics in Imaging and Vision Science	
Thu: 24 May 2012 16:00	Science Building, XG19	Prof. Paul Corkum	Attosecond Science: What we learn by transforming many photons into one.	
Thu: 17 May 2012, 16:00	Physics Building, N115	Dr. Denis Malishev	Systematic study of the variability of Fermi/LAT sources	
Thu: 10 May 2012, 16:00	Physics Building, N115	Dr. Valenti Bosch-Ramon Dublin Institute for Advanced Studies	Studying astrophysical sources with gamma rays	Click here
Thu: 26 April 2012, 16:00	Physics Building, N115	Dr. Tobias Kramer Institute for Theoretical Physics Universität Regensburg, Germany	Modeling optimal transport in interacting nanosystems	Click here
Thu: 19 April 2012, 16:00	Physics Building, N115	Dr. Michael Meyer European XFEL GmbH Hamburg, Germany	Soft X-Ray Instrumentation at the European XFEL	Click here
Thu: 12 April 2012, 16:00	Physics Building, N115	Prof. Philip Moriarty School of Physics and Astronomy, University of Nottingham,	Matter compilation via atom-by-atom assembly: How feasible is nanofactory?	Click here

		UK		
TBA	Physics Building, N115	Dr. Valenti Bosch-Ramon Dublin Institute for Advanced Studies	Studying astrophysical sources with gamma rays	Click here
Fri: 09 March 2012, 12.00	Location(TBA)	Dr. Raphael K. Kribich Electrical Engineering Department, University Montpellier, France	Sensors developments	Click here
Fri: 24 Feb 2012, 15:00	Physics Building, N115	Assoc. Prof Frank Guell Electronics Department, Universitat de Barcelona, Spain	Real-space distribution of cavity modes in single ZnO nanowires	Click here
Tue: 07 Feb 2012, 16:00	Nursing Building, HG22	Prof. Ferenc Krausz, Max-Planck-Institute for Quantum Optics, Garching, Germany Ludwig-Maximilians-University Munich, Germany	Attosecond Physics: the first decade	Click here