

“Nanophotonics Seminar Series”

By

Prof. Boris Lukiyanchuk

*Nonlinear and Extreme Nanophotonics Laboratory, Lomonosov Moscow State University,
School of Physical & Mathematical Sciences, NTU*



Date: 15 October – 26 November 2018

Time: 4.30 pm - 5.30 pm

Venue: Please see table below

Host: Assoc Prof. Cesare Soci

Schedule

Date	Venue	Start Time	End Time	Lecture title
15-Oct-18 (Monday)	MAS EC ROOM 1	4:30 pm	5:30 pm	1. Nonresonant physical processes
22-Oct-18 (Monday)	MAS EC ROOM 1	4:30 pm	5:30 pm	2. Plasmonics and nanophotonics
29-Oct-18 (Monday)	MAS EC ROOM 1	4:30 pm	5:30 pm	3. Nonresonant chemical processes (laser thermo-chemistry)
12-Nov-18 (Monday)	MAS EC ROOM 1	4:30 pm	5:30 pm	4. Resonant physical processes (nonlinear optics, stimulated scattering, coherent periodic structures)
16-Nov-18 (Friday)	MAS EC ROOM 2	4:30 pm	5:30 pm	5. Vapor Plasma Processes (laser plasma chemistry)
28-Nov-18 (Wednesday)	Hilbert Space (PAP)	4:30 pm	5:30 pm	6. Resonant chemical processes (laser photochemistry)

Short Biography of the Speaker:

Boris Lukiyanchuk received his PhD (Physics and Mathematics) from P. N. Lebedev Physical Institute, Academy of Sciences of USSR in 1979 and his Doctor of Sciences from the General Physics Institute, Academy of Sciences of USSR in 1991. From 1970 to 1980, he was affiliated to the Scientific Research Institute at Moscow, Russia. He was also a Professor, Scientific Advisor and Principal Scientist at Data Storage Institute, A*STAR, Singapore from 1999-2018. Currently he is the Professor, Head of the Nonlinear and Extreme Nanophotonics Laboratory, Lomonosov Moscow State University and Visiting Professor at SPMS, NTU. His research interests include interaction of laser radiation with matter, chemical processing with lasers, nonlinear phenomena, self-organization, laser-ablation, theory of nanocluster formation, photomodification in polymers, laser cleaning, plasmonics, metamaterials, nanoscopy, Nanophotonics and nanoparticles with high refracted index. He is a Honorary Professor at Johannes Kepler University, Austria, a recipient of the IES Prestigious Engineering Achievement Awards (2004), President's Science Award, Singapore (2013). He is a member of the Scientific Counsels of Russian Academy of Sciences, SPIE (2000) and OSA (2010). He has supervised >30 PhD students. He has authored 5 monographs and over 300 original research papers till date.