

META 2014

20 - 23 May, Singapore

*5th International Conference on Metamaterials,
Photonic Crystals and Plasmonics*

Symposium 1: "Resonant dielectric nanostructures and metamaterials"

Chairs: Boris Luk'yanchuk (*Data Storage Institute A*STAR, Singapore*), Yuri Kivshar (*The Australian National University, Australia*), Mark Brongersma (*Stanford University, USA*) and Lukas Novotny (*ETH Zurich, Switzerland*)

Co-Chairs: Andrey Miroshnichenko (*The Australian National University, Australia*) and Arseniy Kuznetsov (*Data Storage Institute A*STAR, Singapore*).

18 June 2013

Dear Colleagues,

We have a great pleasure to inform you about our Symposium on Resonant dielectric nanostructures and metamaterials at the 5th International Conference on Metamaterials, Photonic Crystal and Plasmonics (META 2014). Resonant high-refractive index dielectric and semiconductor nanostructures are novel objects in nanophotonics. Similar to metals, they can have strong resonant behavior of both electric and magnetic nature at optical frequencies. However, in contrast to metals, dielectric nanostructures do not rely on real electron currents and can thus be completely loss-free. This section will cover all topics related to resonant optical properties of high-refractive index dielectric and semiconductor nano- and microstructures, and their applications. Topics of the Symposium includes: Resonant optical properties of high-refractive index dielectric and semiconductor nanoparticles, nanorods and nanostructures; Directional scattering by dielectric particles and dielectric nanoantennas; All-dielectric metamaterials; Applications of high-refractive index dielectric nanostructures. META is an extremely interdisciplinary conference and the topics cover a wide range of scientific research that often bridges the gap between basic science and applications / technology. Hope to meet you in Singapore.

Please, see details at <http://metaconferences.org/ocs/index.php/META14/>

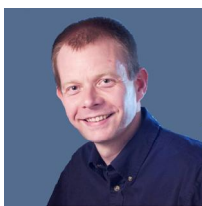
Yours sincerely,



Boris Luk'yanchuk



Yuri Kivshar



Mark Brongersma



Lukas Novotny



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Arseniy Kuznetsov