

# Faemcar Workshop

Fundamental and Applied Electromagnetics of Nano-Carbons

11. October 2016

MTA EK MFA (KFKI Campus)

Konkoly Thege M. út. 29-33, H-1121, Budapest, Hungary

8:15-8:45	Coffee
8:45-9:00	Opening remarks Géza I. Márk, Faemcar project leader, Hungary MTA EK MFA (HU)
9:00-9:30	Presentation of the Institute MTA EK MFA Béla Pécz, director MTA EK MFA (HU)
9:30-10:00	Presentation of the Nanotechnology Department Levente Tapasztó, head of the Laboratory MTA EK MFA (HU)
10:00-10:30	Transfer matrix approach for the Kerr and Faraday rotation in layered nanostructures József Cserti, invited lecture ELTE (HU)
10:30-11:00	Coffee
11:00-11:30	Electronic properties of graphene doped with nitrogen atoms Philippe Lambin, Faemcar coordinator U. Namur (BE)
11:30-12:00	Carbon porous structures, nano-thin carbonaceous films and nanocarbon based polymer composites: microwave applications Polina Kuzhir, Faemcar project leader, Belarus INP (BLR)
12:00-12:30	Dielectric properties of Ni@C/polydimethylsiloxane composites in wide temperature range Artyom Plyushch INP (BLR)
12:30-14:00	Lunch
14:00-14:30	Perforated bi-graphene and h-BN/graphene layers with folded holes: formation, structure and properties Leonid Chernozatonskii, Faemcar Project leader, Russia IBCP-RAS (RU)
14:30-15:00	Translation symmetry breakdown in low-dimensional lattices of pentagonal rings Victor Demin IBCP-RAS (RU)

15:00-15:30	New method of non-linear spectroscopy for characterization of carbon nanostructures and biological molecules on their surface Galyna Dovbeshko, Faemcar project leader, Ukraine IP-NASU (UKR)
15:30-16:00	Coffee
16:00-16:30	Luminescence of graphene in confined volume of photonic crystal Vitali Boiko IP-NASU (UKR)
16:30-17:00	Wave packet dynamical calculations for carbon nanostructures Géza I. Márk, Faemcar project leader, Hungary MTA EK MFA (HU)
17:00-17:30	Concluding remarks Philippe Lambin, Faemcar coordinator U. Namur (BE)

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