

METANANO SCHOOL PROGRAM

Central European Time (CET)	Time Moscow (GMT +03:00)	19 July 2021, Monday	20 July 2021, Tuesday	21 July 2021, Wednesday	22 July 2021, Thursday	23 July 2021, Friday	
09:30 10:00	10:30 11:00	Opening Ceremony					
10:00 11:30	11:00 12:30	Konstantin Novoselov Science and Applications of Graphene and other 2D Materials	Alexey Nikitin Graphene Plasmonics (problem solving)	Dmitry Svintsov Graphene photodetectors: structures and operating principles (part 1)	Alexey Chernikov Excitons in 2D materials: Overview	Poster Session	
11:30 11:50	12:30 12:50	Break	Break	Break	Break	Break	
11:50 13:20	12:50 14:20	Francisco Guinea Twisted layers, narrow bands, and new phases in two dimensional materials	Pablo Alonso González Hyperbolic Nanooptics	Dmitry Svintsov Graphene photodetectors: structures and operating principles (part 2)	Mikhail Glazov Theory of excitons	Christian Schneider Exciton-Polaritons in Microcavities with two dimensional Transition Metal Dichalcogenides	
13:20 14:20	14:20 15:20	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break	
14:20 15:50	15:20 16:50	Alexey Nikitin Graphene plasmonics	Pablo Alonso González Hyperbolic Nanooptics (practical class)	Sergey Tarasenko High-frequency electron transport, photogalvanic effects and related phenomena in 2D crystals	Mikhail Glazov & Alexey Chernikov Exciton complexes, non-linear optical properties, and transport	Andrea Alu Polaritonic metasurfaces	
15:50 16:10	16:50 17:10	Break	Break	Break	Break	Break	
16:10 17:40	17:10 18:40	Poster Session	Javier Garcia de Abajo Control, excitation, and mapping of optical modes in 2D materials	Sergey Ganichev THz radiation induced optoelectronic phenomena in topological insulators and graphene	Mikhail Glazov & Alexey Chernikov Novel prospects and Q&A session	Dmitry Basov Polaritons in van der Waals materials	
17:40 18:10	18:40 19:10		Break	Break	Break	Best Poster Award & School Closing Ceremony	