



04-07.04.2024

School on Photonics 2024

Waveguides

Школа фотоніки 2024

Хвилеводи

DAY 1

04/04 (Th)



Time	Event	Speaker
13:30-14:00	Opening ceremony	
14:00-15:45	Lecture N°1. General theory of waveguides	Anton Hlushchenko, NSC KIPT
15:45-16:15	Coffee break	
16:15-18:00	Lecture N°2. Hollow and dielectric waveguides	Anton Hlushchenko, NSC KIPT
18:00-19:00	Poster session	
19:00-20:00	Scientific discussions	

DAY 2

05/04 (F)



Time	Event	Speaker
10:00-11:45	Lecture N°3. Inverse design methods for waveguides engineering	Anton Ovcharenko, KhNU
11:45-12:15	Coffee break	
12:15-14:00	Lecture N°4. Optical fibers: applications and perspectives	Oleh Yermakov, KhNU
14:00-15:00	Lunch break	
15:00-16:00	Lecture N°5 (online). Design, fabrication, and application of fully fiber-system integrated liquid-core optical fibers	Mario Chemnitz, Leibniz-IPHT
16:30-19:00	Social leisure	



06/04 (Sa)

DAY 3

Time	Event	Speaker
10:00-11:30	Practical lesson №1. Photonic-crystal and metamaterial waveguides	Oleh Yermakov, KhNU
11:30-12:00	Coffee break	
12:00-13:30	Practical lesson №2. Automatic waveguide designing	Anton Ovcharenko, KhNU
13:30-14:30	Lunch break	
14:30-17:00	Work in scientific groups	
17:00-19:00	Free time	



07/04 (Su)

DAY 4

Time	Event
10:00-11:30	Work in scientific groups
11:30-12:00	Coffee break
12:00-13:30	Scientific projects reports
13:30-14:30	Lunch break
14:30-15:30	Invited speakers from industry
15:30-16:00	Closing ceremony

Time

Place

04/04 (Th)

13:30-18:00

Karazin Hub "Safe Space"

18:00-20:00

Blackout Coworking AntiCafe

05/04 (F)

10:00-16:00

Karazin Hub "Safe Space"

16:30-19:00

Blackout Coworking AntiCafe

06/04 (Sa)

10:00-19:00

Blackout Coworking AntiCafe

07/04 (Su)

10:00-16:00

Karazin Hub "Safe Space"

Organizers

Community of young scientists "Karazin Photonics", which includes V. N. Karazin Kharkiv National University SPIE & Optica Student Chapters.

Funding

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Program and Organizing Committee

Oleh Yermakov (Chair), Liliia Manchenko, Vladyslav Guz,
Artem Hrinchenko, Anastasiia Guzenko,
Mariia Brusentseva, Anton Ovcharenko,
Artem Yurkov, Max Klimov, Oleksandr Khromiuk,
Denys Protektor

Lecturers

Mario Chemnitz, Leibniz Institute
of Photonic Technology, Germany
Anton Hlushchenko, National Science Center
"Kharkiv Institute of Physics and Technology"
Anton Ovcharenko, V. N. Karazin Kharkiv National University
Oleh Yermakov, V. N. Karazin Kharkiv National University