

Schedule of the 3rd Training school “Photonic structure in Arctic environment”: 19/08/2026 - 21/08/2026

Wednesday 19/08/2026	Thursday 20/08/2026	Friday 21/08/2026
8:45 – 9:00 Welcome 9:00 – 10:00 Introductory lecture, “Visible Light Transmission and Guiding in Nature: Case Study on the Role of Grana and Chloroplasts”, Prof. Zeev Zalevsky, Bar-Ilan University, Israel 10:00 – 11:00 “Welcome to the Arctic! A Bit of History, Nature, Life, Art and Science on Svalbard” Dr Dominika Saikkonen-Dąbrowska, Niko Saikkonen (Director, Spitsbergen Artists Center), Svalbard-Norway 11:00-11:30 Coffee break 11:30 – 12:30 “Observing the cryosphere with satellites” Prof. Eero Rinne, University Centre in Svalbard AS, Svalbard-Norway 12:30 – 13:30 Seminar - students presentations - Part 1, Supervisors: Prof. Małgorzata Szczerska, Gdańsk University of Technology, Poland, Prof. Dror Fixler Tel Aviv University, Israel 13:30 - 14:30 Lunch break 14:30 – 17:00 Seminar - students presentations - Part 2, Supervisors: Prof. Dror Fixler, Tel Aviv University, Israel Prof. Jacek Łubiński, Prof. Małgorzata Szczerska, Gdańsk University of Technology, Poland 17:00-18:00 Coffee break 18:00-22:00 Icebreaker. Discussion and integration activities. Supervisors: Prof. Małgorzata Szczerska, Gdańsk University of Technology, Poland, Dr Dominika Saikkonen-Dąbrowska, Spitsbergen Artists Center, Svalbard-Norway	9:00 – 10:00 Introduction to field safety rules Tomasz Jankowski, Institute of Oceanology Polish Academy of Sciences, Poland 10:15- 17:00 Outdoor practical exercises – sample collection and preliminary analysis Prof. Katarzyna Jankowska/ Tomasz Jankowski, Institute of Oceanology Polish Academy of Sciences, Poland/ Gdańsk University of Technology, Poland	9:00 – 10:50 „Optical aberrations and ways of measuring and correcting them” Dr. Szymon Gładysz, Fraunhofer Institute of Optronics, Germany 10:50 - 11:20 Coffee break 11:20 – 12:15 Keynote speech, Prof. Heikki Lihavainen, Svalbard Integrated Arctic Earth Observing System SIOS, Svalbard-Norway 12:20 – 13:15 “Speckle based photonic remote monitoring of plants condition” Prof. Zeev Zalevsky, Bar-Ilan University, Israel 13:15 - 14:15 Lunch break 14:15 – 15:05 “Molecular spectroscopy. Portable photonic systems for measurements in out-door applications and hard-to-reach places” Prof. Marcin Gnyba, Gdańsk University of Technology, Poland 15:10 – 15:55 “Introduction to neurophotronics: why do biologists need engineers?” Prof. Filip Janiak, University of Sussex, UK 16:00 – 16:50 “Do fish and sharks see the same underwater world? Combining in vivo imaging with naturalistic visual stimulation.” Prof. Filip Janiak, University of Sussex, UK 16:50 – 17:00 Discussion and closing ceremony