

Day	Room	Block	Time	Author	Title	Presentation Type Assigned
5/16/2023	Sand Castle I	T 09:00 - 10:30	09:30 - 09:45	Kim, Daewook	Optical Sciences Winter School for Enabling Future Students in Optics Society	Oral
5/16/2023	Sand Castle I	T 09:00 - 10:30	09:45 - 10:00	Tyndall, Caitriona	Training the future photonics research leaders: a summer fellowship programme to attract	Oral
5/16/2023	Sand Castle I	T 09:00 - 10:30	10:00 - 10:30	Vogt, Alexis	If you build it, they will come: Creating "Ecosystems" to produce the next generation of	Oral
5/16/2023	Sand Castle I	T 13:00 - 14:45	13:45 - 14:00	Schuessler, Hans	Demonstration of the Arago spot	Oral
5/16/2023	Sand Castle I	T 13:00 - 14:45	14:00 - 14:15	Searles, Thomas	Building a supportive environment for graduate trainees in optics	Oral
5/16/2023	Sand Castle I	T 13:00 - 14:45	14:15 - 14:45	Rockstuhl, Carsten	Experiments to educate about established and new optical science and technology	Oral
5/16/2023	Sand Castle I	T 15:15 - 17:00	15:15 - 15:30	Froehly, Luc	Teaching through history - the preservation of modern French scientific heritage in opti	Oral
5/16/2023	Sand Castle I	T 15:15 - 17:00	15:30 - 15:45	Petkie, Douglas	Project Based Learning Models to Build Workforce Pathways through Value Creation	Oral
5/16/2023	Sand Castle I	T 15:15 - 17:00	15:45 - 16:00	Adams, Rhys	Students' reflections on the impact of paid summer photonics research internships	Oral
5/16/2023	Sand Castle I	T 15:15 - 17:00	16:00 - 16:15	Gibson, Graham	Biophotonics For All: Light transport through tissue	Oral
5/16/2023	Sand Castle I	T 15:15 - 17:00	16:15 - 16:30	Fok, Mable	Toy box optics: Bringing optical technologies home and to schools	Oral
5/16/2023	Sand Castle I	T 15:15 - 17:00	16:30 - 17:00	Curticapean, Dan	The Impact of the International Year of Light and its legacy	Oral
5/16/2023	Sand Castle I	T 18:30 - 19:30	18:30 - 18:45	(blank)	ficonTec	Oral
5/16/2023	Sand Castle II	T 09:00 - 10:30	09:00 - 09:30	Lukas, Fabian	Remote-controlled experiments for photonics lab training	Oral
5/16/2023	Sand Castle II	T 09:00 - 10:30	09:30 - 09:45	Eybposh, M. Hossein	Teaching optics with LightFlow, an intuitive framework for light propagation simulations	Oral
5/16/2023	Sand Castle II	T 09:00 - 10:30	09:45 - 10:00	Verlage, Erik	Beyond ray optics: building photonics intuition for waveguide modes using digital simul	Oral
5/16/2023	Sand Castle II	T 09:00 - 10:30	10:00 - 10:15	Shiell, Rayf	Integrated testlets in optics and photonics: an assessment tool suitable for textbook an	Oral
5/16/2023	Sand Castle II	T 13:00 - 14:45	13:00 - 13:30	Saini, Sajjan	Application-specific upskilling/reskilling in integrated photonics using MOOCs, bootcam	Oral
5/16/2023	Sand Castle II	T 13:00 - 14:45	13:30 - 13:45	Gampe, Stefano	The usage of immersive technologies in learning environments	Oral
5/16/2023	Sand Castle II	T 13:00 - 14:45	13:45 - 14:00	Durana, Gaizka	A tabletop rotor kit as training platform for fiber optic-based sensing	Oral
5/16/2023	Sand Castle II	T 13:00 - 14:45	14:00 - 14:15	Chalyan, Astghik	10 years of Photonics Explorer Kit and the future	Oral
5/16/2023	Sand Castle II	T 15:15 - 17:00	15:15 - 15:45	Massa, Nicholas	The PBL Projects: Advancing photonics technician education for over 25 years	Oral
5/16/2023	Sand Castle II	T 15:15 - 17:00	15:45 - 16:00	Barata, Jagoba	Practical training of stellar interferometry by measuring spectral fringes visibilities	Oral
5/16/2023	Sand Castle II	T 15:15 - 17:00	16:00 - 16:15	Freericks, James	Should we trade off higher-level mathematics for abstraction to improve student under	Oral
5/16/2023	Sand Castle II	T 15:15 - 17:00	16:15 - 16:30	Flockhart, Gordon	Photonic systems integration for postgraduate students in the Centre for Doctoral Train	Oral
5/16/2023	Sand Castle II	T 15:15 - 17:00	16:30 - 16:45	Robinson, Leanne	Integration of a constructed lamp-based spectral calibration station into a radiometry ca	Oral
5/16/2023	Sand Castle II	T 15:15 - 17:00	16:45 - 17:00	Vargas-Rodriguez, Everardo	Implementation of a Peltier thermoelectric cooler driver for tuning DFB laser modules.	Oral
5/16/2023	Sand Dollar/Sundial	T 09:00 - 10:30	09:00 - 10:30	Atieh, Ahmad	Optiwave's Photonics and Instrument Software is The Path to Virtual and Remote Teach	Workshop
5/16/2023	Sand Dollar/Sundial	T 13:00 - 14:45	13:00 - 14:45	Gopakumar, VT	10 outreach activities can be conducted by the members of OSA student chapters	Workshop
5/16/2023	Sand Dollar/Sundial	T 15:15 - 17:00	15:15 - 17:00	Verlage, Erik	Simulations and Games for Photonic Integrated Circuit (PIC) Design and Manufacturing	Workshop
5/16/2023	Seahorse	T 08:30 - 10:30	08:30 - 09:00	Galvez, Enrique	Quantum optics laboratories with motorized components	Quantum - Oral
5/16/2023	Seahorse	T 08:30 - 10:30	09:00 - 09:30	Lvovsky, Alexander	Polarization and entanglement of photons as basis for explaining quantum physics.	Quantum - Oral
5/16/2023	Seahorse	T 08:30 - 10:30	09:30 - 10:00	Lewandowski, Heather	Quantum optics experiments in undergraduate labs	Quantum - Oral
5/16/2023	Seahorse	T 08:30 - 10:30	10:00 - 10:30	Hasanovic, Moamer	Quantum education - how to teach a subject that nobody fully understands?	Quantum - Oral
5/16/2023	Seahorse	T 13:00 - 14:45	13:00 - 13:15	Lukishova, Svetlana	Sustainable education in the age of the second quantum revolution: fifteen years of the	Quantum - Oral
5/16/2023	Seahorse	T 13:00 - 14:45	13:15 - 13:30	Pathak, Yash	Online lab course using photons	Quantum - Oral
5/16/2023	Seahorse	T 13:00 - 14:45	13:30 - 13:45	Sollapur, Rudrakant	Experimental Elective Course for Master Students	Quantum - Oral
5/16/2023	Seahorse	T 13:00 - 14:45	13:45 - 14:00	Chekuri, Venkata Adithya	Toward a Quantum-Enabled Workforce: Curriculum Design, Project Based Learning, and	Quantum - Oral
5/16/2023	Seahorse	T 13:00 - 14:45	14:00 - 14:15	Silberman, Donn	Teaching quantum to high school students	Quantum - Oral
5/16/2023	Seahorse	T 13:00 - 14:45	14:15 - 14:30	Venegas-Gomez, Araceli	Qureka! Box: An educational tool for hands-on Quantum Computing	Quantum - Oral
5/16/2023	Seahorse	T 15:15 - 17:00	15:15 - 15:30	Searles, Thomas	Quantum Engineering Degree Programs for the Future National QIS Workforce	Quantum - Oral
5/16/2023	Seahorse	T 15:15 - 17:00	15:30 - 15:45	Álvarez, Juan Rafael	Measuring Wigner functions of quantum states of light in the undergraduate lab	Quantum - Oral
5/16/2023	Seahorse	T 15:15 - 17:00	15:45 - 16:00	Manfield, Russell	Educating decision makers on resource allocations for quantum technologies	Quantum - Oral
5/16/2023	Seahorse	T 15:15 - 17:00	16:00 - 16:15	Deveney, Ed	Quantum mechanics in a quicker, more intuitive, and accessible way	Quantum - Oral
5/16/2023	Seahorse	T 15:15 - 17:00	16:15 - 16:30	Aehle, Stefan	Development of a multi-perspective approach to quantum education through analog ex	Quantum - Oral
5/16/2023	Seahorse	T 15:15 - 17:00	16:30 - 16:45	Scheiger, Philipp	Activating teaching with analog experiments to distinguish entanglement and hidden pa	Quantum - Oral
5/16/2023	Starfish	T 09:00 - 10:30	09:00 - 10:30	Giltner, David	How to prepare your STEM PhDs for private sector careers	Workshop
5/16/2023	Starfish	T 14:00 - 17:00	14:00 - 17:00	Camacho Rosales, Angeles	Iluminando el Futuro; STEM outreach initiative. The start of a new generation of science	Workshop
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Arrizabalaga, Oskar	Asymmetric Fabry-Perot cavity onto optical fibre tip to developing high performance se	Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Ghosh, Sumit	Outreach Education in Optics: International Day of Light activities for under-privileged s	Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Horvath, Tomas	Transmission convergence layer analysis of passive optical networks with own-developed	Poster

5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Huang, Yifan	Project-based practical learning in the course of optical system design	Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Lam, Matlynn	Key stakeholders' interpretations of scientific Information Literacy: A survey of Orange c	Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Liu, Jing	Innovative Practice of Promoting Academic Literacy of Undergraduates by Journals	Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Muñoz Ríos, Ana María	Outreach experiments guide for an optic show to pre-college level by Medellín student	Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Peng, Hui	New experiments/phenomena in optics	Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Posner, Matthew	Photonique en français : technical photonic workshops for communication in French	Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Reinsch, Tobias	Introduction to modern quantum technologies via astronomy	Quantum - Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Sánchez-Guerrero, Guillermo Ezi	Learning Optics and Electrodynamics as part of the Bachelor of Information Technology	Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Serou, Pujitha	Design and Simulation of Attenuation and Chromatic Dispersion of Optical fibre commu	Poster
5/16/2023	Poster Session	T 18:30 - 19:30	18:30 - 19:30	Viera-González, Perla M.	"Let Science come to your space" - Delivering Astronomy and Optics outreach activities	Poster
5/17/2023	Sand Castle I	W 09:00 - 10:30	09:00 - 09:15	Weninger, Drew	The Massachusetts LEAP network: Building a template for a hands-on advanced manufa	Oral
5/17/2023	Sand Castle I	W 09:00 - 10:30	09:15 - 09:30	Thériault, Gabrielle	Beam characterization using an industrial grade beam profiler in an academic context	Oral
5/17/2023	Sand Castle I	W 09:00 - 10:30	09:30 - 10:15	Renner, Daniel	Panel Discussion - Optics and photonics industry drivers for workforce education and tr	Oral
5/17/2023	Sand Castle I	W 09:00 - 10:30	10:15 - 10:30	Himel, Marc D	Implementing and growing a global college recruiting program	Oral
5/17/2023	Sand Castle I	W 11:00 - 12:00	11:00 - 11:30	Sokoloff, David	Active Learning of Optics and Photonics Including Virtual Options	Oral
5/17/2023	Sand Castle I	W 11:00 - 12:00	11:30 - 11:45	Scheffelin, Tom	Photonics outreach at large Scouts BSA events, such as district camporees, Council even	Oral
5/17/2023	Sand Castle I	W 11:00 - 12:00	11:45 - 12:00	Gupta, Shravan	Student leadership and teamwork opportunities through structured optics outreach at c	Oral
5/17/2023	Sand Castle I	W 14:15 - 15:15	14:45 - 15:00	Charles, Elizabeth	Research-practice partnerships and communities of practice for fostering better teachi	Oral
5/17/2023	Sand Castle I	W 14:15 - 15:15	15:00 - 15:15	Rivera, John Gabriel	Concept Connectivity: An educational and research framework for scientific learning in c	Oral
5/17/2023	Sand Castle I	W 14:15 - 15:15	15:15 - 15:30	Chang, Yun-Chorng	Developing Photonic outreach kits via OPTIC 2022 Photonics Outreach Contest in Taiwa	Oral
5/17/2023	Sand Castle II	W 09:00 - 10:30	09:00 - 09:30	Demirbas, Elif	Short and long range light detecting and ranging (LiDAR) kits for laboratory training of u	Oral
5/17/2023	Sand Castle II	W 09:00 - 10:30	09:30 - 09:45	Kruschwitz, Jennifer	Course structure for the University of Rochester's Hybrid Optics Masters Education (HOI	Oral
5/17/2023	Sand Castle II	W 09:00 - 10:30	09:45 - 10:00	Kaiser, Thomas	The Virtual Reality Cleanroom Training	Oral
5/17/2023	Sand Castle II	W 09:00 - 10:30	10:00 - 10:15	Otani, Yukitoshi	Teaching an introductory optics lab course for Mechanical Engineering students	Oral
5/17/2023	Sand Castle II	W 11:00 - 12:00	11:15 - 11:30	Siahmakoun, Azad	Undergraduate Research Training Boot-Camp Using Thin-Film Optics Technology	Oral
5/17/2023	Sand Castle II	W 11:00 - 12:00	11:30 - 11:45	Buitrago-Duque, Carlos	Introduction to Holography at undergraduate level using research-grade open-source sc	Oral
5/17/2023	Sand Castle II	W 11:00 - 12:00	11:45 - 12:00	Ploeg, Sequoia	Open-source curriculum for teaching integrated photonics design	Oral
5/17/2023	Sand Castle II	W 14:15 - 15:15	14:45 - 15:00	Danner, Aaron	Lessons we learned when creating four Massive Open Online Courses (MOOCs)	Oral
5/17/2023	Sand Castle II	W 14:15 - 15:15	15:00 - 15:15	Tamuleviciene, Asta	The Success Story of the Photonics-Related Curriculum Concept Developed in the Engin	Oral
5/17/2023	Sand Castle II	W 14:15 - 15:15	15:15 - 15:30	Muriungi, Kithinji	Design Perspectives for a Photonics and Optics Capacity Building Program for the Under	Oral
5/17/2023	Sand Dollar/Sundial	W 09:00 - 10:30	09:00 - 10:30	Sokoloff, David	Introduction to Active Learning in Optics and Photonics (ALOP)	Workshop
5/17/2023	Sand Dollar/Sundial	W 11:00 - 15:15	11:00 - 15:15	Chalyan, Astghik	Photonics Explorer Kit workshop	Workshop
5/17/2023	Seahorse	W 09:00 - 10:30	09:15 - 09:30	Liu, Jing	Merging Humanities and Social Sciences Knowledge in Teaching Electrodynamics for Un	Oral
5/17/2023	Seahorse	W 09:00 - 10:30	09:30 - 09:45	Serna Otálvaro, Samuel Felipe	Photonic Integrated Circuit Design and Characterization for Undergrad Workforce Traini	Oral
5/17/2023	Seahorse	W 09:00 - 10:30	09:45 - 10:00	Chakraborty, Shantanu	Introducing optical properties of liquid crystals and polarization in undergraduate opti	Oral
5/17/2023	Seahorse	W 09:00 - 10:30	10:00 - 10:30	Chekhovskaya, Natalia	Building sustainable photonics ecosystem in Florida	Oral
5/17/2023	Seahorse	W 11:00 - 12:00	11:00 - 11:15	Hutama, Daniel	A review of photonics training and education in Canada	Oral
5/17/2023	Seahorse	W 11:00 - 12:00	11:15 - 11:30	Kaiser, Thomas	Augmented Reality in Labwork Training	Oral
5/17/2023	Seahorse	W 11:30 - 12:00	11:30 - 12:00	Boudoux, Caroline	It Goes Without Saying – A Series of Doctoral Workshops for Engineering Students	Oral
5/17/2023	Seahorse	W 14:15 - 15:15	14:15 - 14:45	Chekhovskaya, Natalia	Open educational resources to boost training of photonics technicians	Oral
5/17/2023	Seahorse	W 14:15 - 15:15	14:45 - 15:00	Al-Juboori, Haider	Develop the Innovative and Pioneering Concepts for Photonics and Optics Outreach Prc	Oral
5/17/2023	Seahorse	W 14:15 - 15:15	15:00 - 15:15	Domínguez Flores, Carmen Edith	Science is also a women's thing: A meeting between girls and female scientists	Oral
5/17/2023	Starfish	W 09:00 - 10:30	09:00 - 10:30	Venegas-Gomez, Araceli	Discover the Qureka! Box: An educational tool for hands-on Quantum Computing	Workshop
5/17/2023	Starfish	W 11:00 - 12:00	11:15 - 11:30	Reyes, Ana Karen	Proposal for teaching about optics to blind people through the workshop called My Han	Oral
5/17/2023	Starfish	W 11:00 - 12:00	11:30 - 11:45	Serna Otálvaro, Samuel Felipe	Extending education and outreach in optics with the visually and hearing impaired	Oral
5/17/2023	Starfish	W 11:00 - 12:00	11:45 - 12:00	Williams, Michael	Continuing the Search for Equity: Advancing the Need for More Representation of Black	Oral
5/17/2023	Starfish	W 14:15 - 15:15	14:15 - 14:30	Wong, Nicholas H. L.	Authentic assessment in optics and photonics	Oral
5/17/2023	Starfish	W 14:15 - 15:15	14:30 - 14:45	Vauderwange, Oliver	Dynamic curricular concepts for research orientated programs in optics and photonics:	Oral
5/17/2023	Starfish	W 14:15 - 15:15	14:45 - 15:00	Joenathan, Charles	35 years of optic education at Rose-Hulman: from optical sciences to optical engineerin	Oral
5/17/2023	Sea Oats	W 08:00 - 09:00	08:00 - 09:00	Posner, Matthew	Training, education and outreach as career development tools	Panel
5/18/2023	Sand Castle I	R 09:00 - 10:30	09:15 - 09:30	Zapata Valencia, Samuel Ignacio	Pokémon and the Harmonic Oscillator: A didactic formulation	Oral
5/18/2023	Sand Castle I	R 09:00 - 10:30	09:30 - 09:45	Rivera Ortega, Alberto Uriel	STEM educational resource to send data via laser, using micro:bit and a USB GPIO modu	Oral
5/18/2023	Sand Castle I	R 09:00 - 10:30	09:45 - 10:00	Shen, Xin	3D integral imaging sensing and visualization: an undergraduate project-based learning	Oral

5/18/2023	Sand Castle I	R 09:00 - 10:30	10:00 - 10:30	Han, Kyu Young	Exploring optics and photonics using open-source hardware and software	Oral
5/18/2023	Sand Castle I	R 11:00 - 12:00	11:00 - 11:15	Atieh, Ahmad	Optical communication system software enabling remote education and teaching	Oral
5/18/2023	Sand Castle I	R 11:00 - 12:00	11:15 - 11:30	Herger, Edward	Developing a classroom system to visualize wave optics phenomena	Oral
5/18/2023	Sand Castle I	R 11:00 - 12:00	11:30 - 11:45	Ramirez-Zavala, Sergio Ivan	Fabrication and characterization of a tunable Fabry-Perot interferometer made with eas	Oral
5/18/2023	Sand Castle II	R 09:00 - 10:30	09:00 - 09:30	Steenkamp, Christine Margarete	Laboratories-first optics and photonics education: analyzing epistemic insights in an edu	Oral
5/18/2023	Sand Castle II	R 09:00 - 10:30	09:30 - 09:45	O'Neill, Laurel	experiments in optics and photonics education at The Pennsylvania State University	Oral
5/18/2023	Sand Castle II	R 09:00 - 10:30	09:45 - 10:00	Dark, Marta	Developing technical and soft skills in an introductory undergraduate optics course	Oral
5/18/2023	Sand Castle II	R 09:00 - 10:30	10:00 - 10:15	Shen, Chao	Flipped Classroom Approach in Optoelectronics Course for Electronic and Information E	Oral
5/18/2023	Sand Castle II	R 09:00 - 10:30	10:15 - 10:30	Micali, Ross	Innovative approaches for training precision optics technicians	Oral
5/18/2023	Sand Castle II	R 11:00 - 12:00	11:00 - 11:30	Heron, Paula	Improving Student Learning: The Dual Roles of Conceptual Understanding and Reasonin	Oral
5/18/2023	Sand Castle II	R 11:00 - 12:00	11:30 - 11:45	Nourrit, Vincent	The influence of education and professional experience on misconceptions in optics in c	Oral
5/18/2023	Sand Dollar/Sundial	R 09:00 - 10:30	09:00 - 10:30	Randles, Christopher	Constructing High Quality Multiple Choice Questions: Introducing the Item Writing Flaw Workshop	
5/18/2023	Sand Dollar/Sundial	R 11:00 - 12:00	11:00 - 12:00	Giltner, David	Industry Collaboration - Excellent career training for your students	Workshop
5/18/2023	Seahorse	R 09:00 - 10:30	09:00 - 09:15	Tobon-Maya, Heberley	Beyond maxima and minima: A hands-on approach for undergraduate teaching of diffra	Oral
5/18/2023	Seahorse	R 09:00 - 10:30	09:15 - 09:30	Trebino, Rick	Re-inventing the lecture: recent progress	Oral
5/18/2023	Seahorse	R 09:00 - 10:30	09:30 - 09:45	Martirez, Samuel	Smartphone-based approach to demonstrating relativistic aberration of light using elect	Oral
5/18/2023	Seahorse	R 09:00 - 10:30	09:45 - 10:00	Zhong, Hairong	Intelligent cloud teaching of photoelectric courses	Oral
5/18/2023	Seahorse	R 11:00 - 12:00	11:00 - 11:15	Saleh, Bahaa	The visual system as a comprehensive example for teaching optics and image processi	Oral
5/18/2023	Seahorse	R 11:00 - 12:00	11:15 - 11:30	Rzeznicka, Izabela	Smartphone-based optical sensing for biomedical and environmental monitoring	Oral
5/18/2023	Seahorse	R 11:00 - 12:00	11:45 - 12:00	Cheng, Xiangai	Using "Cloud Class Plus" for online and offline hybrid teaching interaction model: the ca	Oral
5/18/2023	Starfish	R 09:00 - 12:00	09:00 - 12:00	Massa, Nicholas	Problem-Based Learning: Engaging Students in Real-World Problem Solving in Photonics	Workshop