

Summer school for PhD Students

12-16th September 2022 Warsaw

Preliminary Agenda

(Details are subject to change)

Monday (12/09/22)			
10:00 – 12:30	Registration		
12:30 – 13:00	School Opening		
13:00 – 14:00	Lunch		
14:00 – 14:20	CEZAMAT WUT Presentation		
14:20 – 15:20	Introduction to Bioengineering – <i>tbc</i>		
15:20 – 15:40	Coffee break		
15:40 – 16:40	Introduction to Photonics – Anna Pakuła , PhD, Eng., Assistant Professor of WUT		
18:00 – 18:30	Dinner		
Tuesday (13/09/22)			
9:30 – 11:00 Parallel lectures	Photonic Lecture Different designing of optical elements, holographic methods and future perspectives – Agnieszka Siemion , PhD, Eng., Assistant Professor of WUT		Bioengineering Lecture Bioengineering-on-a-chip towards medical diagnostics and therapies – Professor Zbigniew Brzózka , WUT
	11:00 – 11:30 Coffee break		
11:30 – 13:00 Parallel lectures	<i>Selected topics in photonics and printed electronics:</i> (1) Printed Electronics – Technology of the Future Professor Małgorzata Jakubowska , WUT (2) Photonic Integrated Circuits – technologies and applications Piotr Wiśniewski , PhD, Eng., Assistant Professor of WUT	<i>Lab-on-a-chip systems in biomedical applications</i> Elżbieta Jastrzębska , PhD, D.Sc., Eng., Associate Professor of WUT & Mariusz Pietrzak , PhD, D.Sc., Eng., Associate Professor of WUT	<i>Immunotherapeutic Potential of Recombinant Vectors and Antigens. Bioinformatics in Immunotherapy and Cancer Immunology</i> Monika Staniszevska , PhD, D.Sc., Associate Professor of WUT Teresa Szczepińska , PhD, Assistant Professor of WUT Anna Mazurkiewicz-Pisarek , PhD, Eng., Assistant Professor of WUT Michał Łażniewski , PhD, Assistant Professor of WUT Joanna Baran , MSc., Eng., PhD student

13:00 – 14:00	Lunch		
14:00 – 16:00 Parallel CEZAMAT lab tours	(1) <i>Application possibilities of printed electronics</i> Jakub Krzemiński, PhD, Eng., Assistant Professor of WUT & Andrzej Peplowski, PhD, Eng., Assistant Professor of WUT	<i>Lab-on-a-chip systems in biomedical applications</i> Magdalena Flont, PhD, Eng., Assistant Professor of WUT Patrycja Sokołowska, PhD, Eng., Assistant Professor of WUT & Katarzyna Tokarska, PhD, Eng., Assistant Professor of WUT	<i>Tools in Studying Immunotherapeutic Action Mode</i> Monika Staniszweska, PhD, D.Sc., Associate Professor of WUT, Anna Mazurkiewicz-Pisarek, PhD, Eng., Assistant Professor of WUT & Joanna Baran, MSc., Eng., PhD student
	(2) <i>Technology of silicon-nitride based Photonic Integrated Circuits</i> Mateusz Słowikowski, MSc, Eng. & Krzystian Pavlov, MSc, Eng.		
18:00 – 18:30	Dinner		
Wednesday (14/09/22) - Minisymposium			
9:30 – 11:20	Plenary session Photonic		Plenary session Bioengineering
11:20 – 11:40	Coffee break		
11:30 – 12:00	Poster session introduction Photonic		Poster session introduction Bioengineering
12:00 – 13:00	Poster session		
13:00 – 14:00	Lunch		
14:00 – 14:30	Poster session introduction Photonic		Poster session introduction Bioengineering
14:30 – 15:30	Poster session & coffee break		
19:00 – 22:00	Gala Dinner		
Thursday (15/09/22)			
9:30 – 11:00	Soft-skills session Ethical challenges of technoscience, part 1 – Jakub Wagner, PhD, Eng., Assistant Professor of WUT		
11:00 – 11:30	Coffee break		
11:30 – 13:00	Soft-skills session Ethical challenges of technoscience, part 2 – Paweł Mazurek, PhD, Eng., Assistant Professor of WUT		
13:00 – 14:00	Lunch		
14:00 – ...	Warsaw trip		

Friday (16/09/22)		
9:30 – 11:00 Parallel lectures	<p>Photonic Lecture</p> <p>Integrating photonics – the world of photonic integrated circuits – Professor Ryszard Piramidowicz, WUT</p>	<p>Bioengineering Lecture</p> <p>Medical robotics; a modern method of developing the concept, design, construction and prototype of a dynamic human upper limb prosthesis – Krzysztof Mianowski, PhD, Eng., Assistant Professor of WUT</p>
11:00 – 11:30	Coffee break	
11:30 – 13:00 Parallel lectures	<p>Photonic Lecture</p> <p>Computational microscopy employing lensless and ptychographic frameworks – Maciej Trusiak, PhD, D.Sc., Eng., Assistant Professor of WUT</p> <p>Quantitative phase imaging: principles, instrumentation and applications based on holographic microscopy and tomography – Arkadiusz Kuś, PhD, Eng., Assistant Professor of WUT</p>	<p>Bioengineering Lecture</p>
13:00 – 14:00	Lunch	
14:00 – 14:30	Closing session	