



IX International Physics Conference in honor of F. Pianca

December 21-22, 2021
Online

Website: http://dragon.lv/F_Pianca/

CONFERENCE PROGRAMME

Time in RIGA (GMT +2)

Tuesday, 21st December

10:00	M.Sc. Inga Pudza <i>Faculty of Physics, Mathematics and Optometry, Institute of Solid State Physics, University of Latvia</i>	Short introduction about F. Pianca
10:10	Dr. Martins Zaumanis <i>Empa materials science and technology, Switzerland</i>	Connecting the dots: Communication at the Core of a Scientific Career
10:40	Dr. Makars Šiškins <i>Delft University of Technology, Netherlands</i>	Nanomechanics of 2D material membranes
11:10	Dr. Edgars Butanovs <i>Institute of Solid State Physics, University of Latvia</i>	Nanomaterials and thin films in Institute of Solid State Physics, University of Latvia: research directions and capabilities
11:40	M.Sc. Kristiāns Čerņevičs <i>EPFL, Switzerland</i>	Graphene nanoribbons as components in electric nano-circuits
12:10	LUNCH	
14:00	M.Sc. Ergi Bufasi <i>University of Latvia, Latvia</i>	The Importance of Spatial Thinking in Teaching Physics
14:30	M.Sc. Gustavs Kehris <i>Physics PhD candidate at Harvard University. Member of the ATLAS experiment.</i>	The ATLAS Detector at the LHC
15:00	Dr. Maira Elksne <i>University of Glasgow, United Kingdom</i>	Improvements in GaN semiconductor technologies
15:30	M.Sc. Janis Sperga <i>pureLiFi Ltd and University of Strathclyde, United Kingdom</i>	LiFi: Connecting everyone and everything with light

Wednesday, 22nd December

10:00	Dr. Jānis Lazovskis <i>RTU Riga Business School, Latvia</i>	Describing Data: A Visual Survival Kit
10:30	Dr. Janis Timoshenko <i>Interface Science Department of Fritz-Haber Institute of Max-Planck Society, Germany</i>	Deciphering experimental spectroscopic data using machine learning
11:00	Dr. Sergejs Boroviks <i>Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland</i>	Nonlinear plasmonics with monocrystalline gold
11:30	M.Sc. Mikus Milgrāvis <i>University of Latvia, Latvia</i>	Electromagnetic methods for production of aluminium metal matrix composites
12:00	LUNCH	
14:00	Dr. Inga Saknīte <i>Vanderbilt University Medical Center, United States and University of Latvia, Latvia</i>	Biophotonics for patient care: building a translational research team at a medical center in the United States
14:30	Dr. Aleksandrs Leitis <i>EPFL, Switzerland</i>	Metasurfaces for next-generation optics and biosensing
15:00	Dr. Karlis Dreimanis <i>Riga Technical University, Affiliation - Latvia (residing on the Franco-Swiss boarder)</i>	Particle Physics at LHC
15:30	Discussion and final remarks	