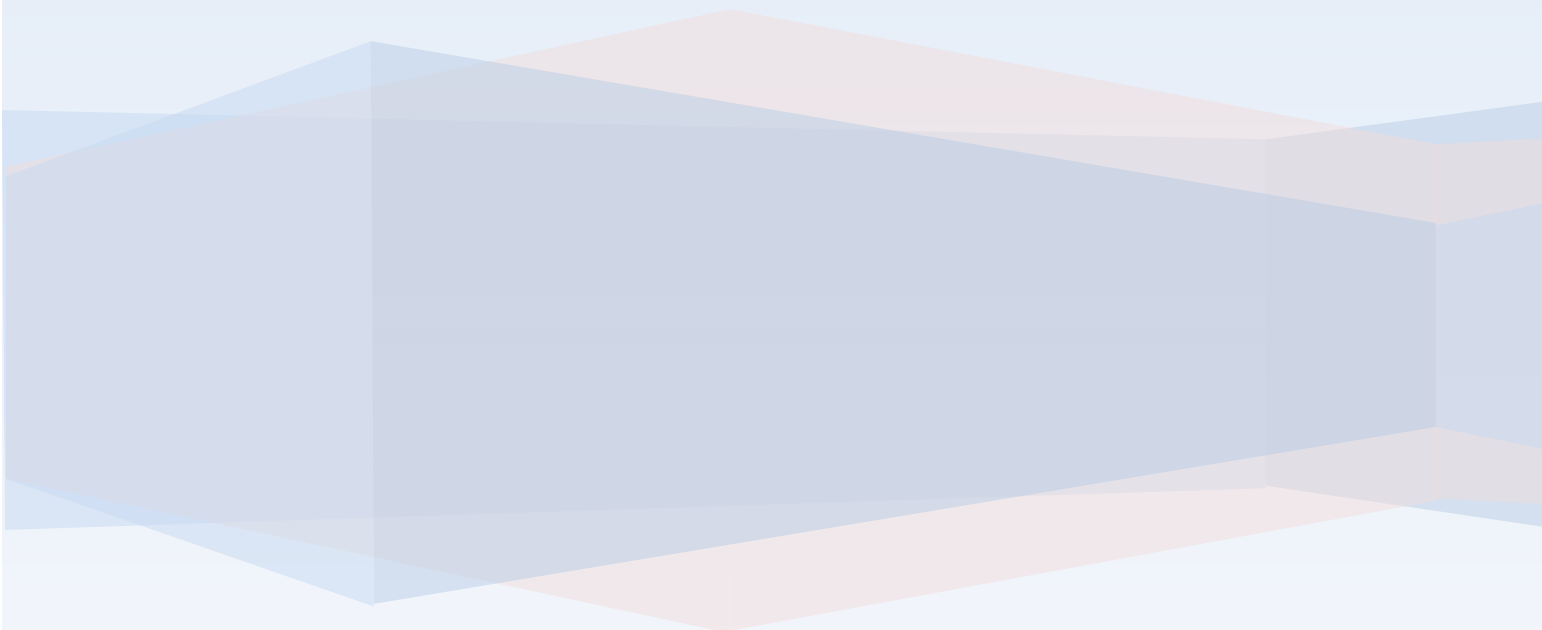


MONDAY, 11

ORAL PRESENTATIONS

2PM-4PM

An abstract graphic consisting of several overlapping, semi-transparent geometric shapes. The shapes are primarily blue and orange, with some white and light blue areas. They are arranged in a way that creates a sense of depth and movement, resembling a stylized landscape or a complex architectural structure. The shapes are layered, with some appearing to be in front of others, creating a 3D effect. The overall composition is clean and modern, with a focus on geometric forms and color contrast.

ORAL PRESENTATION 1 (MONDAY) - 2PM-4PM**ROOM A****ICT and Multi-Media in Physics Education**

Chair: Prof. Dr. Juana Inés Gallego Sagastume (UNLP) - ARGENTINA

Authors	Title	CODE
Jorge Gregorio Llaguno Vera, Carlos Alberto Martínez Briones, Nelson Rodrigo Layedra Quinteros	USING THE VIDEO EDUCATIONAL AND COOPERATIVE LEARNING IN THE LEARNING OF PHYSICS.	OP1-A-1 2:00
Nelson Rodrigo Layedra Quinteros ¹ , Carlos Alberto Martínez Briones, Martha NAVARRETE B	USE OF CELLULAR AND COOPERATIVE LEARNING IN THE LEARNING OF PHYSICS.	OP1-A-2 2:20
Juan Velasco	Computational Simulations in Physics Education: a critical review of the literature	OP1-A-3 2:40
Juana Inés Gallego Sagastume	Surfing through the waves and back to the beach: Integration of traditional material and ICT in learning physics	OP1-A-4 3:00
Ludnilson Antônio de Jesus Pereira; ALBINO, M. G. F. N.; Souza, R. M.; Borges, J. C. S.	Work in progress: Creating alternative Self-Learning Strategies using interactive screens tutorials for modern physics teaching on hands-on labs	OP1-A-5 3:20

ORAL PRESENTATION 1 (MONDAY) - 2PM-4PM		
ROOM B		
ICT and Multi-Media in Physics Education		
Chair: Prof. Dr. MEHMET FATIH TASAR (GU) - TURKEY		
Authors	Title	CODE
Jeanne kreek, Annaretha Coetzee	Use of Technology for Conceptual Understanding of Bernoulli's Principle	OP1-B-1 2:00
Miguel Ré, Mariano Magran	Comparative study of the virtual lab: pendulum oscillations.	OP1-B-2 2:40

ORAL PRESENTATION 1 (MONDAY) - 2PM-4PM		
ROOM C		
History and Philosophy of Physics		

Chair: Prof. Dr. Breno Arsioli Moura (UFABC) - BRAZIL		
Authors	Title	CODE
Alexander Brilhante Coelho, Ivã Gurgel	Mario Schenberg's epistemological moves between 1934 and 1944	OP1-C-1 2:00
Danielle Beatriz de Sousa Borges; Forato, T. C. M	A HISTORICAL APPROACH OF CARNOT'S CYCLE TO TEACH PHYSICS AND THE NATURE OF SCIENTIFIC KNOWLEDGE	OP1-C-2 2:20
Danilo Cardoso Rodrigues Luiz, Polati, Bagdonas	An historical narrative about Arthur Eddington's role on the 1919 Solar Eclipse Expeditions: Nature of Science conceptions in a teacher training course	OP1-C-3 2:40
Isabelle Priscila Carneiro de Lima; PENIDO, M C M	Lise Meitner and the Nuclear Fission: Gender and Physics Education	OP1-C-4 3:00
Yuri Alexander Michelutti Machado; Gurgel, Ivã	Dialogue in Physics Education: A Synthesis between Galileo's and Paulo Freire's Thoughts	OP1-C-5 3:20

ORAL PRESENTATION 1 (MONDAY) - 2PM-4PM
ROOM D
University Physics

Chair: Prof. Dr. Jenaro Guisasola (UPV) - SPAIN

Authors	Title	CODE
Adriana Auyuanet, F. La Paz, T. Canabarro	FísicActiva: Active Learning Techniques in a Physics 1 Lecture	OP1-D-1 2:00
José Gutierrez Berraondo, Kristina Zuza, Genaro Zavala, Jenaro Guisasola	University students understanding of the concept of work: a study in two countries	OP1-D-2 2:20
Ramon Lopez, Michael Greene, Ximena Cid	Student response to the use of a flipped, active- engagement approach in classical mechanics for graduate and upper-level undergraduate physics students	OP1-D-3 2:40

ORAL PRESENTATION 1 (MONDAY) - 2PM-4PM**ROOM E****Laboratory Activities in Physics Education**

Chair: Prof. Dr. Anne Scarince (USP) - BRAZIL

Authors	Title	CODE
Beril Yilmaz Senem; Canay Pekbay	Laboratory Activity for Centre of Mass & Moment: Climbing Wheel	OP1-E-1 2:00
Dorothy V. Langley, Rami Arieli	Looking into Plane Mirrors: Initial Steps to Physics Inquiry	OP1-E-2 2:20
Fabrizio Logiurato	Sweet Experiments with Light Polarization	OP1-E-3 2:40
Gustavo Mulim Venceslau, José Leonardo Ferreira	Plasma physics in high school: a Brazilian experience	OP1-E-4 3:00

ORAL PRESENTATION 1 (MONDAY) - 2PM-4PM**ROOM F****Various Topics Physics Education**

Chair: Prof. Dr. Gordon P Ramsey (LUC) - UNITED STATES

Authors	Title	CODE
André Coelho da Silva; ALMEIDA, Maria José P. M. de	The Notion of Relations of Force in Discourse Analysis: implications for research in science education	OP1-F-1 2:00
Danielle Nicolodelli Tenfen; Lima, B. G.; Biscaino, A. P.	Basic understanding of physics teachers in initial training on the relationship between alternative and scientific knowledge.	OP1-F-2 2:20
Gordon P Ramsey	International Activities of the American Association of Physics Teachers	OP1-F-3 2:40
Lucas Azevedo Mesquita Pereira; BROCKINGTON, G.; Oliveira, E. N.; TESTONI, L.A.	Scientific Making of: The use of viral videos for teaching physics.	OP1-F-4 3:00
Kelly Ane Miller	An analysis of Student Engagement in an Online Annotation System in the Context of a Flipped Introductory Physics Class	OP1-F-5

ORAL PRESENTATION 1 (MONDAY) - 2PM-4PM**ROOM G****Socio-cultural Issues**

Chair: Prof. Dr. Juliano Camillo (UFSC) - BRAZIL

Authors	Title	CODE
Felipe Velasquez; Martinez, H.C.; Machado, Y.A.M.	An analysis of the students' conception of culture and its relation to science education	OP1-G-1 2:00
Gabriel Vidas Cardoso; Nascimento Junior, Francisco; Piassi, Luis	Batman & Semiconductivity: A panorama about an empirical activity relating culture and physic High School Students' Understanding of the Atoms	OP1-G-2 2:20
Juliano Camillo, Cristiano Mattos	On the Road toward a Critical Physics Education	OP1-G-3 2:40

ORAL PRESENTATION 1 (MONDAY) - 2PM-4PM**ROOM H****Teacher Professional Development**

Chair: Prof. Dr. Alberto Villani (USP) - BRAZIL

Authors	Title	CODE
Alberto Villani, Jesuina Pacca	ORIGIN AND DEVELOPMENT OF PROFESSIONAL MASTER DEGREE COURSES ON SCIENCE AND MATHEMATICS EDUCATION IN BRAZIL	OP1-H-1 2:00
André Ary Leonel; Angotti, José André	Permanent Education and the Integration of Digital Information and Communication Technology in Physics Education in Santa Catarina	OP1-H-2 2:20
Daniel Costa de Paiva; Oliveira, Victor Tadeu Silva de; Paiva, Vanessa Moreira Nunes de	Games Repository and Student Engagement	OP1-H-3 2:40
Fabiana Botelho Kneubil; Pietrocola, M.	Epistemological Difficulties to Implement an In-service Course on the Concept of Mass	OP1-H-4 3:00

ORAL PRESENTATION 1 (MONDAY) - 2PM-4PM**ROOM I****Initial Physics Teacher Education**

Chair: Prof. Dr. Louis Trudel (UO) - CANADA

Authors	Title	CODE
Almir Guedes dos Santos; SANTOS, A.G.; SOARES, V.; VITA, W.A.; CRUZ, T.L.; RODRIGUES, D.F.; ARAUO, D.H.S.; VALANI, L.M.	Introduction of contemporary physics to high school classes through experiments: the experience of the PIBID/UFRJ-Física at the IFRJ-Nilópolis	OP1-I-1 2:00
Dioni Paulo Pastorio, Muryel Vidmar, Josemar Alves , Inês Sauerwein , Ricardo Sauerwein	Workshops of development of didactic activities of solving problems mediated by ICT in the formation of Physics teachers	OP1-I-2 2:20
José Ricardo da Silva Alencar	The exploratory analysis in the use of a Learning Platform Adaptive to teach Calculus in initial Physics Teacher Education: possibilities in Khan Academy	OP1-I-3 2:40
Louis Trudel	Conception and implantation of an experiential approach to science teachers' training in Francophone minority communities	OP1-I-4 3:00

ORAL PRESENTATION 1 (MONDAY) - 2PM-4PM**ROOM J****Learning Physics Concepts**

Chair: Prof. Dr. Hideo Nitta (TGU) - JAPAN

Authors	Title	CODE
Andreas Lichtenberger; Clemens Wagner; Andreas Vaterlaus	Concepts and Solving Strategies in Kinematics	OP1-J-1 2:00
Eloisa Neri de Oliveira; BROCKINGTON, G.; MESQUITA, L.; TESTONI, L. A.	The influence of gestures in learning scientific concepts	OP1-J-2 2:20
Emmanuel Favre Nicolin	Initial knowledge of college physics students in kinematics: a cognitive perspective	OP1-J-3 2:40
Enrique Coleoni	How simplifying problems does not simplify learning	OP1-J-4 3:00
Hideo Nitta	Gender gap on FCI at various ages	OP1-J-5 3:20