

## PHYSICS. EDUCATION. PRACTICE. Seminar for University Physics Education Practitioners

Monday, 27 **January 2025, 9:00 AM**, Zoom link: <a href="https://ej.uz/PhysEdPract">https://ej.uz/PhysEdPract</a> 2025

## **Programme**

Time in the programme is in Riga time zone (UTC + 2)

Chairs: Ludmila Belogrudova, Jeļena Kosmača			
9:00 - 9:05	Ludmila Belogrudova, Jeļena Kosmača Department of Physics, Faculty of Science and Technology, University of Latvia	Opening	
9:05 - 9:45	Gerald Feldman Department of Physics, George Washington University, Washington DC, USA	Establishing a Collaborative Student-Centered Learning Environment using the SCALE-UP Pedagogy	
9:45 - 10:15	Tengiz Bibilashvili Physics Department and College of Creative Studies, University of California, Santa Barbara, USA	Fostering Talent: Unique Approaches to Selecting, Advising, and Teaching Gifted Students at UCSB's College of Creative Studies	
10:15 - 10:45	Paul Tschisgale Physics Education, IPN — Leibniz Institute for Science and Mathematics Education, Kiel, Germany	Leveraging AI to provide automated formative feedback for physics problem solving	
10:45 - 11:10	<b>Dirk Brockmann-Behnsen</b> Leibniz University, Hannover, Germany	Students Learning on their own Initiative - the SCRUM Concept in Academic and School Teaching	
11:10 - 11:30	Coffee break, discussions		

11:30 - 11:55	Jörg Nötel University of Applied Sciences Merseburg, Merseburg, Germany	Using <i>Tutorials</i> in physics teaching to address misconceptions
11:55 - 12:20	Tiia Rüütmann Estonian Centre of Engineering Pedagogy, Tallinn University of Technology, Tallinn, Estonia	Best practices in Pedagogical Training of Lecturers at Tallinn University of Technology
12:20 - 12:45	Ergi Bufasi Interdisciplinary Centre for Educational Innovation, University of Latvia, Latvia	Spatial Skills in Physics Education: Why They Matter and How to Enhance Them
12:45 - 13:10	Girts Zāģeris Faculty of Science and Technology, University of Latvia	School for Young Physicists: A Success Story of Generating Interest in Physics
13:10 - 13:20	Jelena Kosmača, Ludmila Belogrudova Department of Physics, Faculty of Science and Technology, University of Latvia	Blended learning with Khan Academy to improve physics teaching in secondary school
13:20	Conclusions, discussions	