



SMC “SCIENTIA EDUCOLOGICA”, LITHUANIA

The associated member of Lithuanian Scientific Society and the association of Lithuanian Serials

**4th International Baltic Symposium on Science and Technology Education
BalticSTE2021
(Online)**

**“SCIENCE AND TECHNOLOGY EDUCATION: DEVELOPING
A GLOBAL PERSPECTIVE”**

21-22 June 2021

SYMPOSIUM PROGRAMME



Šiauliai, Lithuania

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Scientific Methodical Center „Scientia Educologica

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Symposium Website & E-mail

<http://balticste.com> balticste@gmail.com

SUNDAY

20 June 2021

17.00 - 19.00

TESTING VIRTUAL ROOM

On the 20th of June 2021 we will be testing Virtual Room and we encourage all to follow a try between 17.00-19.00 LT time (UTC+3, Eastern European Summer Time).

Monday

21st June 2021

9:45 - 10:00

MEET-AGAIN-AND-GREET (ONLINE)

Lithuania in 4 Minutes and a Welcome Speech

10:00-12:00

PLENARY MEETING 1

No.	Presentation time	Speakers Name and Surname Entity/Academy represented	Topic of presentation
1.	10:00 – 10:45	PAUL PACE University of Malta, Malta	THE SUSTAINABLE DEVELOPMENT GOALS: MAKING SCIENCE AND TECHNOLOGY GLOBALLY RELEVANT
	10:45-11:00	Questions & Answers	
2.	11:00 – 11:45	PAOLO BUSSOTTI University of Udine, Italy	A NEW PERSPECTIVE ON MATHEMATICS EDUCATION COMING FROM HISTORY: THE EXAMPLE OF INTEGRAL CALCULUS
	11:45-12:00	Questions & Answers	

12:00-12:30



COFFEE BREAK

12:30-17:15

SESSION 1

No.	Presentation time	Speakers Name and Surname Entity/Academy represented	Topic of presentation
1	12:30-13:00	NYET MOI SIEW University Malaysia Sabah, Malaysia	Mentor-Mentee outreach program: Revitalizing STEM education in rural secondary schools
2.	13:00-13:30	LETTAH SIKHOSANA University of South Africa, South Africa	The development and implementation of the sustainable intervention strategies for solid waste management in primary schools: A case of Nkangala

			district, Mpumalanga province
3.	13:30-14:00	SAŠA HORVAT University of Novi Sad, Serbia	Procedure for assessment of the cognitive complexity of the problems with a limiting reactant
4.	14:00-14:30	ILVA CINITE, GIRTS BARINOVŠ University of Latvia, Latvia	Increased student performance on physics concept inventory test after student-centred instructions in universities of Latvia
5.	14.30-15:00	YI WEN LO, CHIH-HSIUNG KU National Dong Hwa University, Taiwan	Exploring the effectiveness and impacts of using different media to learn science
	15:00-15:30	Coffee break	
6.	15:30-16:00	ANGELA JAMES University of KwaZulu-Natal, South Africa	How COVID-19 was an enabler for Biological Sciences pre-service teachers' Service-Learning projects
7.	16:00-16:30	TODAR LAKHVICH Belarusian State Medical University, Belarus	Improvement of the Course Design: Graph-Theory Based Approach in the Case of Organic Chemistry
8.	16:30-17:00	ROSELINE NYABOKE The University of Toledo, USA	Examining the Use of Scientific Modeling by the Graduate Teachers in a Science Methods Course
9.	17:00-17:15	YOON FAH LAY University Malaysia Sabah, Malaysia	Secondary students' interests, attitudes, values, and priorities in science and technology-related issues: Evidences from the Malaysian Relevance of Science Education (MROSE) study in Sabah, Malaysia
10.	17:15-17:30	MICAÍAS A. RODRIGUES Federal University of Piauí, Brazil	Challenges for teacher education in pandemic times
11.	17:30-17:45	SOLANGE LOCATELLI Federal University of ABC, Brazil	Drawings to learn science - some reflections
	17:45-18:00	Summary & Closing	

TUESDAY

22nd June 2021

9:45-10:00

MEET-AGAIN-AND-GREET (ONLINE)

10:00-12:00

PLENARY MEETING 2

No.	Presentation time	Speakers Name and Surname Entity/Academy represented	Topic of presentation
1.	10:00-10:45	MALGORZATA NODZYŃSKA Pedagogical University of Cracow, Poland	CHEMICAL VS. NATURAL: COMMON MISCONCEPTIONS
	10:45-11:00	Questions & Answers	

2.	11:00-11:45	PETER DEMKANIN Comenius University in Bratislava, Slovakia	COGNITIVE PROCESSES IN THE THEORY OF PHYSICS EDUCATION
	11:45-12:00	Questions & Answers	

12:00-12:30



COFFEE BREAK

12:30-18:15

SESSION 2

No.	Presentation time	Speakers Name and Surname Entity/Academy represented	Topic of presentation
1	12:30-13:20	ANTUNI WIYARSI Yogyakarta State University, Indonesia	Students' motivation and chemical literacy on context-based learning: A case of chemical bonding topic
2.	13:20-13:40	DUŠICA RODIĆ University of Novi Sad, Serbia	To what extent do students rely on an algorithmic approach to quantitative problem-solving in chemistry?
3.	13:40-14:00	NAFAA CHBILI United Arab Emirates University, UAE	Best practices for geometry teaching and learning
4.	14:00-14:20	TEREZA HROUZKOVÁ, LUKÁŠ RICHTERK Palacký University Olomouc, Czech Republic	Lawson classroom test of scientific reasoning at entrance university level
5.	14:20-14:40	NARENDRA DESHMUKH Homi Bhabha Centre for Science Education, TIFR, India	The effective use of technology in classrooms for implementing remedial modules to overcome students' misconceptions
6.	14:40-15:00	MARKÉTA BARTOŇOVÁ, DANA KRIČFALUŠI Charles University, Czech Republic	Worksheets for integrated science
	15:00-15:20	Coffee break	
7.	15:20-15:40	RITA BIRZINA, DAGNIJA CEDERE University of Latvia	Students' readiness for Massive Open Online Courses (MOOCs) in Latvia
8.	15:40-16:00	MIHAIL CALALB Tiraspol State University, Moldova	Assumption of cognitive goals in science learning
9.	16:00-16:20	KALLE SAASTAMOINEN, ANTTI RISSANEN National Defence University of Finland, Finland	Technology majors' methodology education – comparison of two course approaches
10.	16:20-16:40	KAREL KOLÁŘ Prometheus, spol. s r. o., Czech	Overview of participation in correspondence competitions (of CZE and SVK) in recent years with

		Republic	a discussion of possible positive and negative effects of COVID-19
11.	16:40-17:00	ONDREJ VENCALEK Palacky University Olomouc, Czech Republic	How to motivate high school students to study statistics
12.	17:00-17:20	KĀRLIS GREITĀNS, DACE NAMSONE University of Latvia, Latvia	In-service science teachers' professional development targeted to promote student conceptual understanding: A review study
13.	17:20-17:40	POLONA LEGVART, METKA KORDIGEL ABERŠEK, MAJA KERNEŽA University of Maribor, Slovenia	Primary students' natural science digital literacy competence in digital learning environments

17:40-18:00

DISCUSSION

18:00-18:15

SYMPOSIUM CLOSING

What Do We Do NEXT?

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