

ŠIAULIAI EDUCATION
COMPETENCE CENTER

ŠIAULIAI CITY INFORMATICS
TEACHERS'
METHODOLOGICAL COUNCIL

International methodological -
practical conference

INFORMATICS IN
SCHOOL:
INTEGRATED,
SMART,
INCLUSIVE

PROGRAM

February 18, 2025, 10:00 AM

The conference will be held remotely
(via Zoom).

Please join between 9:30–9:55 AM.

PLENARY SESSION

Moderator: *Daiva Bukelytė*, Chair of the Šiauliai Informatics
Teachers' Methodological Circle

- 10.00 – **WELCOME SPEECH**
10.10 *Vilma Tubutienė*, director of the Šiauliai Education
Competence Center
- 10.10 – HOW WE TEACH AND HOW STUDENTS LEARN
10.30 INFORMATICS: REFLECTIONS FROM STUDENTS,
TEACHERS, PARENTS, NGOS, AND BUSINESS
REPRESENTATIVES (in Lithuanian)
*Prof. dr. Aušra Kazlauskienė, prof. dr. Valentina
Dagienė, prof. dr. Remigijus Bubnys, Odeta Šapelytė,*
Vilnius University
- 10.30 – CYBERSECURITY IN EDUCATION (in Lithuanian)
10.50 *Prof. dr. Marius Laurinaitis*, Mykolas Romeris
University
- 10.50 – STANDARD OF EDUCATIONAL RESOURCES FOR
11.05 PRESCHOOL, PRE-PRIMARY AND GENERAL
EDUCATION SCHOOLS (in Lithuanian)
Vaino Brazdeikis, director of the Department of
Education Content, National Education Agency
- 11.05 – USING UNPLUGGED ACTIVITIES IN TEACHING
11.35 PROGRAMMING (in Lithuanian)
Vaida Masiulionytė-Dagienė, Vilnius University,
Vilnius Valdorf School
- 11.35 – PROPOSALS FOR DEVELOPING
12.05 COMPUTATIONAL THINKING IN THE
MATHEMATICS CLASSROOM (in English)
Prof. Belén Palop, Complutense University of Madrid,
Juan José Santaengracia, University of Valladolid,
Spain
- 12.05 – CHALLENGES OF ARTIFICIAL INTELLIGENCE
12.25 (AI) IN ROMANIAN SCHOOLS (in English)
Adriana Udroi, Lyceum 'Voltaire', Craiova,
Romania
- 12.25 – DRAWING THE FUTURE: TEACHING
12.45 PROGRAMMING THROUGH TURTLE GRAPHICS
IN A SPIRAL CURRICULUM (in English)
Jacqueline Staub, Swiss researcher and educator,
Assistant Professor for Computer Science Education at
Trier University, Germany

12.45 –
13.00 **Coffee Break**





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SECTION I

Moderator: *Renata Baronienė, Šiauliai Informatics Teachers' Methodological Council*

- 13.00 – NEW MATERIAL FOR PRIMARY AND MIDDLE SCHOOL IN
13.30 RESEARCH-BASED LEARNING ENVIRONMENT VILLE
(in English)
Marika Parviainen, The Research Institute for Learning Analytics at the University of Turku
- 13.30 – USING THE PYTHON PROGRAMMING LANGUAGE IN MATH,
13.50 PHYSICS, CHEMISTRY AND LITHUANIAN LANGUAGE
CLASSES (in Lithuanian)
Alina Dėmenienė, Deputy Chair of the Council, Lithuanian Computer Society
- 13.50 – DATA RESEARCH (in Lithuanian)
14.10 *Dr. Bronius Skūpas, Expert Informatics Teacher, Vilnius Lyceum*
- 14.10 – HOW INFORMATICS CAN GO BEYOND THE COMPUTER
14.30 CLASSROOM AND TRANSFORM EVERY LESSON
(in Lithuanian)
Kristina Jonkuvienė, Co-founder of the integrated learning platform EditAI
- 14.30 – INCLUSIVE EDUCATION: RECOGNIZING DIVERSITY AND
14.50 STRENGTH (in Lithuanian)
Doc. dr. Laima Tomėnienė, Vilnius University Šiauliai Academy, Special Education Expert, Šiauliai Dainai Progymnasium, Šiauliai 'Santaka' Education Center, Consultation Department; doc. dr. Margarita Jurevičienė, Vilnius University Šiauliai Academy, Special Education Methodologist, Šiauliai 'Santaka' Education Center, Consultation Department
- 14.50 – INFORMATICS EDUCATION FOR ALL: GROWTH MINDSET
15.00 AND PRINCIPLES OF INVOLVEMENT (in Lithuanian)
Jolita Kaupienė, Expert Informatics Teacher, Šiauliai Dainai Progymnasium
- 15.00 – DIFFERENT PROGRAMMING: HOW TO USE OZOBOT IN THE
15.15 EDUCATIONAL PROCESS (in Lithuanian)
Renata Baronienė, Methodologist Informatics Teacher, Šiauliai Ragainė Progymnasium
- 15.15 – STEAM ACTIVITIES AND STUDENT LEADERSHIP
15.30 DEVELOPMENT (in Lithuanian)
Laura Palivonienė, Primary Education Methodologist; Rita Nemanienė, Methodologist Informatics Teacher, Šiauliai 'Romuva' Progymnasium
- 15.30 – SYNERGY BETWEEN INFORMATICS AND NATURAL
15.40 SCIENCES: EFFECTIVE INTEGRATION OPPORTUNITIES AND
CHALLENGES (in Lithuanian)
Kristina Juodeikienė, Expert Informatics Teacher, Šiauliai Dainai Progymnasium, Šiauliai Technical Creativity Center
- 15.40 – REFLECTION IN LESSONS USING CREATIVE THINKING
15.50 METHODS (in Lithuanian)
Ingrida Donielienė, Engineering Education Methodologist Teacher, Šiauliai Ragainė Progymnasium



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SECTION II

Moderator: *Daiva Bukelytė, Chair of the Šiauliai Informatics Teachers' Methodological Circle*

- 13.00 – FUTUREPROOF LEARNING: TRENDS SHAPING EDUCATION
13.30 GLOBALLY (in English)
Mr. Antonio Fittipaldi, Computer Science teacher, I.I.S. 'Pitagora', Policoro, Basilicata, Italy
- 13.30 – FUTURE EDUCATION IN INFORMATICS LESSONS (in
13.50 Lithuanian)
Associate Professor dr. Remigijus Laurutis, Klaipėda University
- 13.50 – INTRODUCTION TO ARTIFICIAL INTELLIGENCE METHODS IN
14.20 HIGH SCHOOL (12TH GRADE) (in Lithuanian)
Dr. Renata Burbaitė, Expert Informatics Teacher, Panevėžys Juozas Balčikonis Gymnasium, Kaunas University of Technology
- 14.20 – ARTIFICIAL INTELLIGENCE: PLANNING AND OPTIMIZATION
14.40 INSPIRED BY NATURE (in Lithuanian)
Dr. Gražvydas Felinskas, Methodologist Informatics Teacher, Šiauliai 'Saulėtekis' Gymnasium
- 14.40 – AI IN EDUCATION: TOPIC, TOOL, AND METHOD (in Lithuanian)
15.00 *Gintautas Jazdauskas, Šiauliai Technical Creativity Center*
- 15.00 – GITHUB COPILOT – GENERATIVE AI FOR PROGRAMMING
15.20 (in Lithuanian)
Andrejus Kostarevas, Software Engineer, GitHub, United Kingdom
- 15.20 – THE ROLE OF ARTIFICIAL INTELLIGENCE IN MODELING
15.40 THE FUTURE OF EDUCATION (in Lithuanian)
Donatas Daugirdas, Lecturer, Šiauliai State College
- 15.40 – DEVELOPMENT OF SOFTWARE USING PROGRAMMING
15.50 SKILLS (in Lithuanian)
Julija Smirnova, Methodology Teacher of Information Technology, Klaipėda Vydūnas Gymnasium, Klaipėda State College; Jurij Tekutov, Associate Professor at Klaipėda State College, Klaipėda University.

CONCLUDING PLENARY SESSION

Moderator: *Kristina Juodeikienė, Šiauliai Informatics Teachers' Methodological Council*

- 15.50 – LInMA PROPOSALS FOR THE INFORMATICS FINAL EXAM
16.20 AND OTHER TOPICS (in Lithuanian)
Aidas Žandaris, Lithuanian Informatics Teachers' Association
- 16.20 – Discussion and Summary
16.40



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REGISTRATION

Registration is required via the system www.semiplus.lt -> February 18 -> Conference “Informatics in Schools: Integrated, Smart, Inclusive.” A connection link will be sent to your provided email address on February 17. After the event, electronic certificates will be generated in this system.

ADDITIONAL INFORMATION

Some presentations will be presented in English. If this cause difficulties, you can install mobile application **DeepL**, which allows for real-time speech translation and deeper engagement with presentations in your native language.

Photography will take during the event. Photos may be used to promote the event on social networks, organizers' websites, and media

CONFERENCE WORKING GROUP

Renata Baronienė, Methodologist Informatics Teacher, Šiauliai Ragainė Progymnasium
Nijolė Bružaitė, Senior Informatics Teacher, Šiauliai Julius Janonis Gymnasium
Daiva Bukelytė, Expert Informatics Teacher, Šiauliai Didždvaris Gymnasium
Kristina Juodeikienė, Expert Informatics Teacher, Šiauliai Dainai Progymnasium
Jolita Kaupienė, Expert Informatics Teacher, Šiauliai Dainai Progymnasium
Jurgita Leliūnienė, Methodologist Informatics Teacher, Šiauliai Medelynas Progymnasium
Jolanta Lembertienė, Methodologist, Šiauliai Education Competence Center
Marius Sketerskas, Senior Informatics Teacher, Šiauliai Stasys Šalkauskis Gymnasium
Rima Valčiukienė, Methodologist Informatics Teacher, Šiauliai Didždvaris Gymnasium

LET’S MEET AT CONFERENCE!

For more information, please contact us via email:

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Science Teachers'
Association LINMA