

Program

The PDF file with the program is [here](#)

Please contact to the organizers if you see some mistakes and/or collisions with your own schedule.

July 15

The link to the Zoom channel of CAM is in your [personal account](#)

10:20 — 10:30	Sergei Pozdniakov (Saint-Petersburg Electrotechnical University "LETI") Welcome to the Fourth International Conference on Computer Assisted Mathematics
10:30 — 11:00	Svetlana Korabelshchikova , Boris Melnikov (Moscow State Institute of International Relations (University)) An Algorithm for Multiplying Numbers in Binary Lunar Arithmetic Using Fast Fourier Transform and Some of its Applications
11:00 — 11:30	Alexandr Seliverstov (Institute for Information Transmission Problems of the Russian Academy of Sciences) On systems of three linear equations modulo three
11:30 — 12:00	Georgii Khaziev , Alexandr Seliverstov, Oleg Zverkov (Institute for Information Transmission Problems) Imperfect palindromes depending on GC-content
12:00 — 12:30	Bowen Liu (Department of Mathematics, Shenzhen MSU-BIT University) Correlation Analysis of Ranking Methods via Transitive Triads in Random Tournament Graphs
12:30 — 13:00	Ivan Ignatenko (Institute of Mathematics, Mechanics and Computer Science named after I.I. Vorovich) Comparison of Methods for Large-Scale Sparse Matrix Inversion
13:00 — 13:30	Pavel A. Oganessian , Boris F. Melnikov, Bowen Liu (MSU-BIT University) Effective Solution for the Traveling Salesman Problem on Randomly Distributed Data
13:30 — 14:00	Anna Telegina ("Mathematics as Science Language") Project activities on the path of natural science
14:00 — 14:30	Semjon Adlaj (A.A. Dorodnicyn Computing Centre of the Russian Academy of Sciences) Repeated errors and persistent misconceptions in Science and its Teaching

14:30 — 15:30	Lunch
15:30 — 16:00	Robert Dougherty-Bliss , Natalya Ter-Saakov, Mits Kobayashi, Eugene Zima (Dartmouth College) p-adically resolving trinomials
16:00 — 16:30	Vladimir Dubrovsky (Kolmogorov School of Moscow State University) Guided Discovery With Interactive Mathematics
16:30 — 17:00	Alexei Semenov (Lomonosov Moscow State University) The Role of Computers in Developing Mathematical Thinking in Young Children
17:00 — 17:30	Viktor Freiman , Canada, Dragana Martinovic, Canada (Université de Moncton) Digital Tools in Mathematics Education: A Decade of Insights from the MEDEra Series
17:30 — 18:00	Sergei Abramovich (State University of New York) Computational Triangulation And Mathematical Education of Teachers: a North American Experience
18:00 — 18:30	Vladimir Zhukov (Ivanovo State Power University) Modeling Interdisciplinary Connections and Assessing Their Effectiveness in Educational Technologies
18:30 — 19:00	Victoria Kazakevich (Saint-Petersburg Electrotechnical State university "LETI") Dealing with students' requests for a more transparent process of education
19:00 — 19:30	Sergey Kolonitskii (Saint-Petersburg State Electrotechnical University "LETI") Knuth and Gingerbread Appreciation Club: making advanced mathematics fun
	Скачать запись первого дня конференции (Код доступа: gFT?D%6B)

July 16

10:30 — 11:00	Victor Krym (St. Petersburg State University) Estimation of cosmological parameters by the supernova of type Ia data with Mathematica
11:00 — 11:30	Sergey Solovyev (Institut de Recherche en Informatique de Toulouse) Turing Test in Digital Age
11:30 — 12:00	Alexander Liaptsev (Herzen State Pedagogical University of Russia) The use of smoothed distribution functions for the study of

chaotic states in nonlinear dynamics problems. A numerical experiment.

12:00 — 12:30	Alexander Khodanovich (Saint-Petersburg State University of Film and Television) IT solutions for stochastic mathematical and simulation modeling tasks in engineering education
12:30 — 13:30	Dmitry Grigoriev (Centre National de Recherches Scientifiques) P-NP problem and complexity in computer algebra
13:30 — 14:00	Sergey Vakulenko (IPME RAS, LETI) Non-Equilibrium Dynamics in Complex Networks via Asymmetric Glauber Models
14:00 — 15:00	14.00-14.05 - Photos of participants - please turn on your webcams. Lunch
15:00 — 15:30	Tatiana Kosovskaya (Saint-Persburg State University) Recognition and Analysis of Complex Structured Objects
15:30 — 16:00	Alex Sakharov (Synstretch) Inference in Logic Theories
16:00 — 17:00	Yuri Gurevich (University of Michigan) Mathematics and AI
17:00 — 17:30	Iana Berlin (Boyar International) Using AI in educational process
17:30 — 18:00	Aleksei Medvedev (St. Petersburg Electrotechnical University "LETI", Russia) Reasoning in Large Language Models
18:00 — 19:00	Panel discussion: "Mathematics - Artificial Intelligence - Education" Moderated by PhD in Physics and Mathematics Aleksei Medvedev

July 17

11:00 — 11:30	Alexandra Mikhailchenko , Hidoyatolloh Madraimov (Saint Petersburg Electrotechnical University "LETI") Factorial Numbering in Combinatorics: Comparative Analysis of Pedagogical and Computational Implementations
11:30 — 12:00	Maksim Subbotin (St. Petersburg Electrotechnical University "LETI") Determination of the MESSENGER spacecraft orbit by processing doppler data in the X-band
12:00 — 12:30	Egor Malyutin (Saint Petersburg Electrotechnical University "LETI")

The decryption of the Phaistos Disc through parallel translation with Linear B script

12:30 — 13:00	Zahra Dorostkar (Skolkovo Institute of Science and Technology) Introducing a New Post-quantum Cryptography Scheme
13:00 — 13:30	Stepan Samulevich (Saint-Petersburg state electrotechnical university) Ramanujan-type formulas for CI-type Clausen functions and applications
13:30 — 14:00	Seraphim Ivanov , Roman Cherepanov (Saint Petersburg Electrotechnical University) Random graphs generation and processing
14:00 — 14:30	Roman Cherepanov , Dmitry Emelyanov, Maksim Subbotin (Saint Petersburg Electrotechnical University) Study of coefficients of finite Dirichlet series vanishing at some zeros of Riemann's zeta function
14:30 — 15:30	Lunch
15:30 — 16:00	Aleksandr Kodukov (Saint Petersburg Electrotechnical University "LETI") Icebreakers route planning
16:00 — 16:30	Egor Moschyonok (National University of Science and Technology MISIS) Algorithm for calculating the orientation of a satellite in free flight
16:30 — 17:00	Elizaveta Fomenko (Institute of Mathematics, Mechanics and Computer Science, Southern Federal University) About the implementation of bi-directional topology optimization in ACELAN-COMPOS package
17:00 — 17:30	Danil Pestryakov (Peter the Great St. Petersburg Polytechnic University) Prospects of using the ontology description language ONTOL V2 in the automation of the educational process
17:30 — 18:00	Viktoriia Kruglova (Saint Petersburg Electrotechnical University "LETI") Calculation of Transition Probabilities of Central Measures on the Graph of Three-Row Young Diagrams