MASTER PROGRAM

for

SEVENTEENTH INTERNATIONAL CONFERENCE
APPLICATION OF MATHEMATICS IN TECHNICAL AND NATURAL
SCIENCES
JUNE 24-29, 2025

All times in the program are GMT+3 (East-European time). Please synchronize your local time with respect to GMT and join the announced Zoom sessions on time.

WEDNESDAY, JUNE 25, 2025

FLAMINGO GRAND HALL

Join Zoom Meeting 08:00-18:00
https://us02web.zoom.us/j/81725832504?pwd=QcabHvktYdEnVgDXeSJnJQ7iRxlPRz.1

Meeting ID: 817 2583 2504
Passcode: 952290

Hosted by Michail Todorov

08:30-09:30	PLENARY SREAKER: Jianzhong Su
	Title *Brain Complex Data Analytics To Identify Epileptic Activity Sequences Based On EEG Source Localization Methods*

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09:30-10:00 BREAK

10:00-11:00	Session MATHEMATICAL PHYSICS
10:00-10:30	Speaker: Bogdan Dimitrov

Title*: New Analytical Formulaes for the Weierstrass Invariants of Elliptic Integrals in the Weierstrass Form Depending on the Modulus Parameter q of the Integral in the Legendre Form*

10:30-11:00   Speaker: Georgi Grahovski
Title: *Thermodynamic Properties of Quantum Spin Systems: Scaling and Disorder*

11:00-11:30   Speaker: Yuri Bozhkov
Title: *An Analytic Investigation of the Emergence of a Secondary Diffusion in a Thin Film Model*,

11:30-12:00   Speaker: Mikhail Kolev
Title: *On a Mathematical Model of Virus -- Immune System Competition*

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Lunch Break

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14:00-14:45   KEYNOTE SPEAKER

Roumen Anguelov
Title*: A Mathematical Model of CDK1 and APC Interactions in Cancer Cells: Exploring the Impact of Zingerone on Cell Proliferation*

Session NUMERICAL METHODS

15:00-15:30   Speaker: Alex Fedoseyev
Title: *Turbulent Flow in Channel: Experiments versus Numerical Simulation and Analytical Solution*

15:30-16:00   Speaker: Alex Fedoseyev
Title: *Critical Reynolds Number for Transition to Turbulence of*

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Coffee Break

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16:30-18:30   Social Activity WOMAN'S PROGRAM