



Technical University of Civil Engineering Bucharest
**Department of Mathematics
 and Computer Science**

Hybrid Conference "Mathematics, Computer Science and Technical Education"

The 19th Workshop on Mathematics, Computer Science and Technical Education – session dedicated to the university professor doctor mathematician Gavriil PĂLTINEANU, on his 80th birthday

Department of Mathematics and Computer Science
 Technical University of Civil Engineering Bucharest
 Faculty of Civil, Industrial and Agricultural Buildings

Address: 122-124 Lacul Tei Bvd., Sector 2, 020396 Bucharest, Romania & (MS TEAMS cod: kqg0ne6)

June 11th, 2022

CONFERENCE PROGRAMME

09:00 - 09:15	Conference Opening	Room:	I-2
09:15 - 09:45	Plenary Sessions	Room:	I-2
09:45 - 10:00	Awards ceremony for students	Room:	I-2
10:00 - 10:30	Coffee break	Room:	Hall floor 1
10:30 - 12:30	Parallel Sessions	Rooms:	I-1, I-2, I-3
12:30	Optional Social Event	The President Club	Parcul Tei

PLENARY SESSIONS - INVITED SPEAKER

ROOM	I-2 & MS TEAMS cod: kqg0ne6
CHAIRMAN:	Ion Mierluș Mazilu
09:00 - 09:15	Conference Opening
09:15 - 09:45	Gavriil Păltineanu - <i>René Descartes forerunner of infinitesimal calculus and topology (René Descartes precursor al calculului infinitezimal si al topologiei)</i>
09:45 - 10:00	Awards ceremony for students

PARALLEL SESSIONS

SESSION 1	Analysis, Functional Analysis, Numerical Analysis, Differential Equations, Partial Differential Equations, Mechanics
ROOM	I-1
CHAIRMAN:	Ghiocel Groza, Leonard Dăuș
10:30-10:45	Gheorghe Bucur – <i>Some Remarks on de Branges Lemma</i>
10:45-11:00	Rodica Mihaela Dăneț, Marian Valentin Popescu, Nicoleta Popescu – <i>Order Relations in Interval Spaces</i>
11:00-11:15	Ghiocel Groza – <i>Properties of Some Series of Functions</i>
11:15-11:30	Sever-Angel Popescu – <i>On the Irrationality of Some Real Numbers</i>
11:30-11:45	Ileana Bucur – <i>On KY-Fan Theorem and some Applications</i>
11:45-12:00	Marilena Jianu, Leonard Dăuș – <i>The Roots of Reliability Polynomials For Series - Parallel Networks</i>
12:00-12:15	Lucian Niță, Ștefania Constantinescu, Alice Angheliescu – <i>Applications of the Young Integral in Differential Equations</i>
12:15-12:30	Mariana Zamfir – <i>About Generalization of Dowson Result for Restrictions and Quotients of Spectral Operators</i>



SESSION 2	Probabilities, Operational Research, Mathematical Statistics, Computer Science, Applications of Mathematics in Engineering Sciences, E-learning
ROOM	I-3
CHAIRMAN:	Ion Mierluș Mazilu, Narcisa Teodorescu
10:30-10:45	Daniel Ciuiu – <i>Bayes Significance Tests for Non-Normal Distributions</i>
10:45-11:00	Narcisa Teodorescu, Vlad-Daniel Lupea – <i>Laplace Transform Method in Thermodynamics</i>
11:00-11:15	Alina-Elisabeta Sandu – <i>A Study of Water Quality in A Water Distribution Network, Based On Statistical Analysis</i>
11:15-11:30	Ion Mierluș-Mazilu, Ștefania Constantinescu, Alice Angheliescu – <i>A Geometric Solution of a Mechanical Equilibrium Problem</i>
11:30-11:45	Ion Mierluș-Mazilu, Ștefania Constantinescu – <i>Using E-Learning in STEM Education</i>
SESSION 3	Algebra, Geometry
ROOM	I-2 & MS TEAMS cod: kqg0ne6
CHAIRMAN:	Adela Mihai, Sever Achimescu
10:30-10:45	Sever Achimescu, Victor Alexandru – <i>On a Property of the Normal Polynomials in $Q[x]$</i>
10:45-11:00	Simona Decu – <i>Chen Inequalities for Spacelike Submanifolds in Statical Manifolds on Type Para-Kahler Space Forms</i>
11:00-11:15	Muhittin Evren Aydin – <i>Pythagorean Submanifolds as Applications of Matrix Pythagorean Triples</i>
11:15-11:30	Saban Guvenc, Cihan Ozgur – <i>Slant Curves on Some Almost Contact Metric Manifolds</i>
11:30-11:45	Rakesh Kumar – <i>A Study of Conformal Riemannian Maps</i>
11:45-12:00	Marius Mirea, Alexandru Ciobanu – <i>Geometric Inequalities on Isotropic Spacelike Submanifolds in Pseudo-Riemannian Space Forms</i>
12:00-12:15	Ramazan Sari, Inan Unal – <i>Semi-Invariant ξ^\perp Riemannian Submersions Admitting Ricci Soliton</i>