

THURSDAY, 19 APRIL

- 9:00 – 18:00** | Arrival and registration of participants
Administrative Building, Orange Cafe
- 9:30 – 11:00** | **Tutorial – Artificial Intelligence, Centric**
Administrative Building, Main Conference Hall
- 11:00 – 11:30** | *Coffee Break*
- 11:30 – 13:00** | **Tutorial – Robotics, Endava**
Administrative Building, Main Conference Hall
- 13:00 – 14:00** | *Lunch Break*
- 14:00 – 15:00** | Round table dedicated to Valentin Belousov achievements
Administrative Building, Senate Hall
- 15:00 – 15:30** | University visit
Starting point: Main Conference Hall
- 16:00 – 18:00** | Visit to the joint-stock company Barza Albă

FRIDAY, 20 APRIL

- 8:30 – 9:00** | Arrival and registration of participants
Administrative Building, Main Conference Hall
- 9:00 – 9:30** | **Opening Festivity and Welcome Speech**
Administrative Building, Main Conference Hall
Prime Vice-Rector, Assoc. Prof., PhD. N. GAȘIȚOI
Prof., PhD. V. CABAC
Cor. Mem. Prof. C. GAINDRIC
- 9:30 – 11:15** | **Plenary Session**
Chairman: Prof., PhD. V. CABAC
- M. CHOBAN, P. KENDEROV, J. REVALSKI.**
Topological games and its applications
 - S. COJOCARU, T. BUMBU, A. COLESNICOV, L. MALAHOV.** *Digitization of Old Romanian Texts Printed in the Cyrillic Script*
 - C. MOROȘANU.** *Well-posedness for a nonlinear second-order anisotropic diffusion problem*

	<i>Administrative Building, Main Conference Hall</i>
11:15 – 11:30	<i>Coffee Break</i>
	<i>Conference group photo</i>
11:30 – 13:00	Invited Speakers
	Chairman: acad. M. CHOBAN
	1. Jon D. PHILLIPS <i>Three Variations on a Theme by Moufang</i>
	2. Toma ALBU <i>Preradicals in modular lattices, with applications to Grothendieck categories and torsion theories</i>
	3. Martin VALCKE <i>Innovation in higher education and research based innovations at this level</i>
	<i>Administrative Building, Main Conference Hall</i>
13:00 – 14:00	<i>Lunch Break</i>
14:00 – 16:00	Paper presentations in Sections A, B, C, D, E, F
16:00 – 16.30	<i>Coffee Break</i>
16:30 – 18:30	Paper presentations in Sections A, B, C, D, E, F
19:00 – 21:00	Official dinner

SATURDAY, 21 APRIL

10:00 – 16:00	Social Program, Excursion to „Princely Forest” nature reservation <i>Starting point, University Fountain</i>
16:00	Departure of participants

FRIDAY, 20 APRIL –

SECTION A. ALGEBRA AND ITS APPLICATIONS

ROOM: 508

CHAIRPERSONS: V. G. Skobelev

14:00 –16:00

14:00 – V. Ursu. *O observație asupra buclelor Moufang commutative cu condiția minimalității*

14:15 – P. Syrbu, I. Grecu. *On some invariants under the isostrophy of loops.*

14:30 – L. Ursu. *Definition and example of ternary Moufang loop*

14:45 – V. V. Skobelev, V. G. Skobelev. *Finite reversible automata over algebraic systems with the single binary operation*

15:00 – L. Chiriac. *Methods of Constructing Medial, Paramedial and Bicommutative Quasigroups*

15:15 - N. Lupașco. *Despre condiția de minimalitate a buclei Moufang comutative*

15:30 - I. Jordan. *Left quotient with respect to meet for preradicals in modules*

15:45 - Н. Дидурик. А *–псевдоавтоморфизмы левых транзитивных квазигрупп*

FRIDAY, 20 APRIL – SECTION A. ALGEBRA AND ITS APPLICATIONS

ROOM: 510

CHAIRPERSON: F. Sokhatsky

14:00 – 16:00 **14:00 – M. Ștefănescu.** *On some constructions of near-rings*

14:30 – F. Sokhatsky, V. Savchuk. *Isomorphism of topological linear quasigroups*

14:45 – F. Sokhatsky, V. Sydoruk. *About linearities of quasigroups and dependencies among them*

15:00 – O. Gok. *On the relation between biorthomorphism and b-morphism*

15:15 – H. Krainichuk. *On classification of generalized binary quasigroup functional equations of length four*

15:30 – N. Moldovyan, A. Moldovyan, V Shcherbacov. *Error-correcting block ciphers*

15:45 – В. Щербаков, Н. Малютина. *Роль квазигрупп в криптосистемах. Обобщение алгоритма Марковского*

ROOM: 510

CHAIRPERSON: M. Ștefănescu

16:30 – 18:30 **16:30 – H. Krainichuk, Y. Andreieva.** *On reducibility of uncancellable generalized quadratic quasigroup functional equations in n variables*

16:45 – I. Fryz. *Orthogonal complements of n -*

ary operations

17:00 – **A. Tarasevych, H. Krainichuk.** *On classification of ternary quasigroup functional equations in three functional variables*

17:15 – **I. Deriyenko.** *Pseudoisomorphisms of quasigroups*

17:30 – **S. Aleshchenco.** *Inverse limits of pseudonormed rings and a semi-isometric isomorphism*

17.45 - Discussions

**FRIDAY, 20 APRIL –
SECTION B. MATHEMATICAL ANALYSIS,
DIFFERENTIAL EQUATIONS AND GEOMETRY**

ROOM:

CHAIRPERSONS:

14:00 – 16:00 **14:00** – **V. Neagu.** *Asupra regularizării ecuațiilor integrale singulare complete*

14:15 – **L. I. Calmuțchi.** *Construction of Hausdorff extensions*

14:30 – **B. Țarălună, M. Bostan.** *About a Diophantine equation*

14:45 – **A. Șubă, O. Vacaraș.** *Quartic differential systems with an ane real invariant straight line of algebraic multiplicity five*

15:00 –

15:15 –

15:30–

15:45 –

**FRIDAY, 20 APRIL –
SECTION B. MATHEMATICAL ANALYSIS,
DIFFERENTIAL EQUATIONS AND GEOMETRY**

ROOM: 533

CHAIRPERSONS: V. Şerban

14:00 – A. Alb Lupaş, M. Choban. *On a subclass of analytic functions defined by a fractional integral operator*

14:00 – 16:00 14:15 – I. Ciobanu, M Choban. *About approximation of topological hyperalgebras*

14:30 – V. Şerban. *Sources, isolated xed points, transient points and sinks of the Boolean asynchronous systems*

14:45 – L. Bedratyuk, N. Luno. *Derivations and Identities for Laguerre polynomials*

15:00 – D. Pavel. *On Set-Valued Almost Periodic Functions on Topological Spaces*

15:15 – V. Repeşco. *Classification and qualitative investigation of cubic systems with real parallel invariant straight lines of total multiplicity equal to six*

15:30 – D. Cozma, A. Matei. *Rationally reversible cubic differential systems having one invariant straight line and one invariant conic*

15:45 – D. Cozma, A. Dascalescu. *Darboux integrability for a class of cubic differential systems with two straight lines and one cubic algebraic solutions*

ROOM: 533

CHAIRPERSONS: Y. Menshikov

16:30 – 18:30 **16:30 – Y. Menshikov.** *About classification of inverse problems*

16:45 – D. Botnaru, A. Țurcanu. *Commutative monoids of reflector functors*

17:00 – D. Botnaru, O. Cerbu. *The cartesian product of two subcategories*

17:15 – V. Dryuma. *On integration of the KdF-equations in a parametric form*

17:30 – И. Гуцул. *Об объемах фундаментальных многогранников дискретных групп в гиперболическом пространстве*

17:45 – N. Neagu, V. Orlov, M. Popa. *The conditions for the stability of the unperturbed motion for one critical four-dimensional differential system with the invariant condition*

18:00 – Discussions

**FRIDAY, 20 APRIL –
SECTION C. APPLIED MATHEMATICS**

ROOM: 411

CHAIRPERSONS: I. Dmitrieva

14:00 – 16:00

14:00 – I. Dmitrieva. *Explicit solutions of the differential systems and mathematical modeling in electrodynamics*

14:15 – E. Cebotaru. *Normalizarea formei pătratice H_2 a hamiltonianului în problema mărginită a 8-corpuri*

14:30 – M. Пховелишвили, Н. Арчвадзе. *Прогнозирование землетрясений с помощью параллельных данных*

14:45 – M. Медведева, Л. Ковалёв. *Применение теории графов в сетевом моделировании с использованием информационных технологий*

15:00 – M. Kalinichenko, N. Kuhai, O. Romanchuk. *Applications of elements of matrix calculus and statistics analysis for processing of dynamic spectra*

15:15 – V. Țicău. *Modalități de utilizare a metodelor numerice la diferențierea funcțiilor de o variabilă*

15:30 - A. Tkacenko. *The Fuzzy Fractional Multi-Objective Transportation Problem*

15:45 - G. Sprincean. *A Comparison of Some Numerical Methods for Semiconductor Device*

Problem

**FRIDAY, 20 APRIL –
SECTION D. COMPUTER SCIENCE & IT**

ROOM: University Scientific Library

CHAIRPERSONS: S. Cojocaru

14:00 – 16:00

14:00 - C. Gaindric, S. Cojocaru, G. Magariu, T. Verlan. *Анализ и подготовка данных из БД Stroke.md при построении модели прогнозирования инсульта*

14:15 - D. Gifu, D. Cristea, S. Cojocaru. *Language Independent Entity Linking in Fiction*

14:30 - I. Budanaev. *On the Midset of Pairs of Strings*

14:45 - T. Paşa. *Soluţionarea problemei neliniare de transport utilizând algoritmul genetic.*

15:00 - L. Burtseva. *On P system based clustering algorithm*

15:15 – P. Bogatencov, G. Secrieru, N. Iliuha, N. Degteariov. *World-wide academic network and services for Moldavian Education and Research community*

15:30 – T. Bragaru, V. Malcoci, V. Galaicu. *Securitatea informaţională: incidente 2017 și tendințe pentru 2018*

15:45 – R. Bulai, E. Chetrușca. *Data mining în rezolvarea problemelor aplicative*

ROOM: University Scientific Library
CHAIRPERSONS: C. Gaidric

- 16:30 – 18:30** **16:30 – I. Titchiev.** *An approach to ensure the safe evacuation of people from multy storey building in case of disaster modeled by Hierarhical Petri Nets*
- 16:45 – I. Secieru, C. Gaidric, S. Cojocaru, E. Guțuleac, O. Popcova.** *Suport informatic de cuantificare și evaluare a hepatatiilor difuze*
- 17:00 – V. Cozlov.** *Topic Dictionary in Arranging of the Information from the Internet*
- 17:15 – S. Chilat** - *Applications of Fuzzy Logic in Data Mining Process*
- 17:30 – M. Petic.** *Elaboration of the tools for data quality monitoring in mitigation of social disaster effects*
- 17:45 – A. Gorea.** *The interconnected feature between the concepts of Big Data and Machine Learning*
- 18:00 – Discussions**

FRIDAY, 20 APRIL –

SECTION E. DIDACTICS OF INFORMATICS

ROOM: 536

CHAIRPERSONS: A. Adăscăliței

14:00 – 16:00

14:00 - A. Adăscăliței, C. Cucos, M. Vlada. *Curs tip Blended Learning (Învățare combinată) pentru instruirea viitorilor profesori*

14:15 - V. Cabac. *„Rolurile” competenței în proiectarea formării*

14:30 - V. Cabac. *Educația și competența digitală: mituri și realități*

14:45 - N. Bleandura. *Motivation as a mediating factor in students' competence development*

15:00 - O. Skutnički, V. Cabac. *Sarcini didactice cu caracter creativ în formarea profesională a viitorului profesor de informatică*

15:15 – V. Bîrsan. *Predarea intuitivă – predare vie și sănătoasă*

15:30 - Д. Моглан. *Методические подходы к обучению программированию с использованием визуализатора алгоритмов*

15:45 - E. V. Билик. *Формирование коммуникативной компетенции и компетенции групповой работы учащихся профессиональных школ средствами технологий смешанного обучения в рамках учебной дисциплины «Информатика»*

ROOM: 536

CHAIRPERSONS: V. Cabac

16:30 – 18:30

16:30 - A. Braicov, T. Veverița. *Aspecte de utilizare a Tehnologiilor Informaționale la editarea textelor de limbă maternă*

16:45 - T. Vascan. *Evaluarea componentei motivaționale a studenților informaticieni*

17:00 - T. Veverița. *Metode de evaluare a competenței digitale la studenții-filologi*

17:15 - V. Moraru. *Pedagogia rețelelor de calculatoare cu instrumente libere*

17:30 - O. Градинарь. *Технология личностно-ориентированного обучения как основа развития информационной компетенции учащихся профессиональных школ в рамках куррикулярной деятельности по информатике*

17:45 - C. Negara. *Evaluarea online în formarea adaptiv*

18:00 – Discussions

**FRIDAY, 20 APRIL –
SECTION F. DIDACTICS OF MATHEMATICS**

ROOM: 545

CHAIRPERSONS: I. Lupu

14:00 – 16:00

14:00 - I. Lupu, L. Sali, M. Teleucă. *Utilizarea softurilor educaționale la studierea elementelor de combinatorică*

14:30 - I. Achiri. *Matematica pentru umaniști: repere curriculare*

14:45 - N. Gașoi. *Organizarea instruirii adaptive pentru unitatea de curs Analiză complexă*

15:15 - A. Corlat, I. Jordan. *Utilizarea proprietăților modulului la rezolvarea ecuațiilor algebrice*

15:30 I. Goian, V. Marin, V. Neagu. *Asupra unor proprietăți ale șirurilor convergente*

15:45 - L. Zastfinceanu. *Suporturi didactice pentru organizarea instruirii adaptive a viitorilor profesori de matematică*

ROOM: 545

CHAIRPERSONS: L. Zastfinceanu

16:30 – 18:30

16:30 - P. Macari, L. Macari. *Utilitatea metodică de rezolvare a problemelor prin metode și procedee diferite*

16:45 – I. Ciobanu, M. Petic. *Determinarea înfășurătoarei unei curbe prin intermediul mediului interactiv GeoGebra*

17:00 – T. Rotari. *Utilizarea recurenței liniare de*

*ordinul doi la calculul determinanților de ordinul n
de o anumită formă*

17:15 – D. Afanas. *Abordări metodologice
asupra rezolvării problemelor de matematică*

17:30 - Discussions

University Campus

