	SATURDAY, OCTOBER 3 - MORNING SESSIONS
9:00 - 10:00	Invited talk: **Dan Mircea Suciu**: Automatic Person Identification based on Physical Activity Patterns Recognition (joint work with Danut Ilisei) Chair: Anna Soos
10:00 - 10:20	Break
	Session A (Mathematics) – Chair: Gábor Farkas
10:20 – 12:00	1. **Virgilius-Aurelian Minuță**. Group graded Morita equivalences induced by wreath products 2. **Septimiu Crivei**. Relatively divisible and relatively flat objects in exact categories 3. **Simona-Maria Radu**. Transfer of (dual) CS-Rickart properties via functors between abelian categories 4. **Iulia Chiru**. Regular elements and generalized inverses in (matrix) rings of residue classes 5. **Tiberiu Coconet**. Frobenius induction for algebras
	Session B (Mathematics) – Chair: Attila Kovács
10:20 - 11:40	1. **Levente Simon** and Anna Soós. Coupled fixed point theorem and fractals on mixed patterns 2. **László Tóth.** Another generalization of Euler's arithmetic function and of Menon's identity 3. **János Uray**. A family of barely expansive polynomials 4. Dávid Bóka and **Péter Burcsi**. Canonical expansion of integers for families of roofline polynomials
	Session C (Computer Science) – Chair: Zoltán Porkoláb
10:20 – 11:40	1. **Attila Kántor**, Attila Kiss and László Grad-Gyenge. Semantic Encoder Tasks for the Hungarian Language

	2. **Attila Péter Boros**, Péter Lehotay-Kéry and Attila Kiss. Performance impact of network encryption on log processing with Spark 3. **Melinda Kiss**, Adrián Csiszárik, Ákos Matszangosz, Balázs Maga and Dániel Varga. Global Sinkhorn Autoencoder - Optimal transport on the latent representation of the full dataset 4. **Hayder Fatlawi** and Attila Kiss. Efficiency Improvement of Adaptive Random Forest using Principle Component Analysis for Mining Data Stream
11:40 - 14: 00	Lunch break
	SATURDAY, OCTOBER 3 - AFTERNOON SESSIONS
	Session A (Mathematics) – Chair: Sándor Fridli
14:00 – 15:00	1. **Tamas Dozsa** and Ferenc Schipp. Blaschke-products and Hyperbolic Geometry 2. **Zsuzsanna Nagy-Csiha** and Margit Pap. A representation of quaternionic Blaschke group 3. **Levente Lócsi**. Real-time web-based visualization of the Radon transform
15:00 - 15:50	Break
	Session A (Mathematics) – Chair: Ágnes Fülöp
15:50 - 17:10	1. **Gábor Román**. Primality Proofs with Elliptic Curves: Probabilistic Factorization 2. **Izabella Ingrid Farkas** and Attila Kovács. (2,3)-simultaneous number systems over the Eisenstein lattice 3. **Péter Burcsi**, Gábor Nagy and **Attila Réti**. Remarks on the quantum complexity of some numeration related problems 4. **Viktoria Toth** and **Robin Kiss**. Real-life applications of pseudorandom generators
	Session B (Computer Science) – Chair: Norbert Pataki
14:00 - 15:00	1. **István Donkó**, Ambrus Kaposi and Melinda Tóth. Formalizing a relational model of concurrent programs in a dependently typed environment

	2. **Gergely Nagy** and Zoltan Porkolab. Correctness of a High-level RCU implementation 3. **Balázs Varga**, István Bozó and Melinda Tóth. Refactoring concurrent Erlang applications for distribution
15:00 - 15:30	Break
	Session B (Computer Science) – Chair: Norbert Pataki
15:30 - 16:30	1. **Zsófia Erdei**, Melinda Tóth and István Bozó. Graph-based duplicated code detection with RefactorErl 2. **Brigitta Baranyai**, Melinda Tóth and István Bozó. Supporting Secure Coding with RefactorErl 3. **Mátyás Komáromi**, Melinda Tóth and István Bozó. Gview: Visualising software dependencies in order to support code comprehension
	Session C (Computer Science) – Chair: Florin Craciun
14:00 - 15:20	1. Tamas Lukovszki and **Peter Vadasz**. Randomized dispersion of mobile robots – theory and experiments 2. **Dániel Balázs Rátai**, Zoltán Horváth, Zoltán Porkoláb and Melinda Tóth. Cell-oriented Programming 3. **Endre Fülöp**, Norbert Pataki and Csaba Rotter. Modeling Resource Allocations in Cloud Deployment with P Colonies
15:20 - 15:50	Break
	Session C (Computer Science) – Chair: Tamás Kozsik
15:50 - 17:10	1. **Réka Kovács**, Gábor Horváth and Zoltan Porkolab. Detecting lifetime errors of std::string_view objects in C++ 2. **Attila Gyen** and Norbert Pataki. Discovering Shared Variables for Comprehension of Multithreaded C++ Programs 3. **Richárd Szalay** and Zoltán Porkoláb. Applying Modules for Modern C++ Libraries 4. **András Béleczki** and Bálint Molnár. Defining vertex types and metric for graph-based Information System models

17:10	Closing