

	FRIDAY, OCTOBER 2 - MORNING SESSIONS
9:00 - 10:00	Invited talk: István Faragó : Operator splittings and their applications Chair: Zsolt Páles
10:00 - 10:20	Break
	Session A (Mathematics) – Chair: Péter Burcsi
10:20 – 11:40	<ol style="list-style-type: none"> 1. Lívía Boda. Investigation of some operator splitting methods 2. Oana-Maria Parva and Daniel-Valer Breaz. Univalence properties of an integral operator 3. Madalina Moga. Some properties of the fixed point equation with Meir-Keeler operator 4. Mihai-Radu Trusca. Local fixed point theorems and open mapping principles for generalized contractions
	Session B (Computer Science) – Chair: Bálint Molnár
10:20 - 11:40	<ol style="list-style-type: none"> 1. Daniel Lesko and Mate Tejfel. Random program generation via lambda-terms 2. Gereltsetseg Altangerel and Máté Tejfel. Some optimization possibilities in data plane programming 3. Dániel Lukács, Gergely Pongracz and Máté Tejfel. Extracting deep control flow graphs from P4 syntax trees
	Session C (Computer Science) – Chair: László Szabó
10:20 – 11:40	<ol style="list-style-type: none"> 1. Richárd Szalay, Ábel Sinkovics and Zoltan Porkolab. In-situ Enhancement of Type Safety using Fictive Types 2. Ambrus Kaposi and Norbert Luksa. A calculus of single substitutions for simple type theory 3. Péter Bereczky and Dániel Horpácsi. A Survey on Comparing Various Formal Semantics Definition Styles 4. Smiljana Knezev, Gordana Rakic, Zoran Budimac, Melinda Toth and Istvan Bozo. Evaluation of a Recursion Aware Complexity Metric

11:40 - 14:00	Lunch break
	FRIDAY, OCTOBER 2 – AFTERNOON SESSIONS
14:00 - 15:00	Invited talk: Szilárd K. András: Ulam-Hyers stability of some second order differential equations defining special functions Chair: Adrian Petrusel
	Session A (Mathematics) - Chair: Adrian Petrusel
15:00 - 15:40	<ol style="list-style-type: none"> 1. Zsolt Páles. Existence and uniqueness theorems for ordinary differential equations with mixed initial and boundary value conditions 2. Gábor Maros. Quadratures for the solution of fractional differential equations
15:40 - 16:00	Break
	Session A (Mathematics) - Chair: Ágnes Fülöp
16:00 - 18:00	<ol style="list-style-type: none"> 1. Béla János Szekeres and Ferenc Izsák. Fractional operators in relativistic quantum mechanics: the square-root Klein–Gordon equation 2. Teshome Bayleyegn and Agnes Havasi. Multiple Richardson Extrapolation and its Combination with the Implicit Euler Method 3. Ioan Papuc. On a Dirichlet problem for the Darcy-Forchheimer-Brinkman system with application to lid-driven porous cavity flow with internal square block 4. Robert Vajda and Heinz-Joachim Rack. Explicit solution, for $n=7$, to a Markov-type extremal problem initiated by Schur 5. Eduard Stefan Grigoriuc. On some subclasses of holomorphic functions whose derivative has positive real part 6. Alexandru Orzan and Nicolae Popovici. On a special class of fractional type set-valued functions

	Session B (Computer Science) – Chair: Florin Craciun
15:00 – 15:40	<ol style="list-style-type: none"> 1. Gregory Morse and Tamás Kozsik. Fully Dynamic Strong Connectivity and Reachability in Digraphs 2. Ádám Kiss and Attila Kiss. The Compressed Program Dependence Graph
15:40 – 16:00	Break
	Session B (Computer Science) – Chair: Ágnes Backhausz
16:00 – 18:00	<ol style="list-style-type: none"> 1. Dávid Fonyó and Péter Burcsi. Automated defense against side-channel attacks 2. Péter Burcsi and Gábor Nagy. Applications of numeration systems for preserving privacy 3. Yuping Yan and Peter Ligeti. Anonymization Techniques in Social Networks 4. Sabina Surdu. Machine Learning-Powered Data Exploration Using SQL Queries - the Negation Query in a New Light 5. Jianhao Li and Viktória Zsók. Distributed Storage Pattern 6. Anna Reale, Benedek Kovacs, Melinda Toth and Zoltan Horvath. Services for an Edge-native application
	Session C (Computer Science) – Chair: László Szabó
15:00 – 15:40	<ol style="list-style-type: none"> 1. Dániel Kolozsvári and Norbert Pataki. A Static Analysis Approach for Modern Iterator Development 2. Anett Fekete and Zoltan Porkolab. Identifying Vulnerable Software Modules with Static Analysis and Version Control
15:40 - 16:00	Break
	Session C (Computer Science) – Chair: Erzsébet Csuha-Varjú
16:00 -18:00	<ol style="list-style-type: none"> 1. Gábor Horváth and Norbert Pataki. Synthesizing Same-Language Summaries for Symbolic Execution 2. Bence Babati and Norbert Pataki. The Role of Implementation-specific Static Analysis

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| | <ol style="list-style-type: none">3. Hristina Gulabovska and Zoltan Porkolab. Status of Static Analysis Tools for Detecting Python Security Vulnerabilities4. Ábel Kocsis, Zoltán Gera and Melinda Tóth. Diagnosing vulnerabilities with static analysis5. Tamás Balla, Gabor Kusper, Csaba Biró and Tibor Tajti. BaW 2.0 - A Problem Specific SAT Solver for Balatondoglár Models Generated from Digraphs |
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