



# StudMath-IT 2018

Wednesday, 14.11.2018

10.00 – 14.00

Arrival and accommodation of participants

## Conference Program

Faculty of Exact Sciences, "Aurel Vlaicu" University of Arad  
Str. Elena Dragoi, no.2, 310330, Arad, Complex M University

Thursday, 15.11.2018

08.30 – 09.00	<b>Registration</b>	1st Floor
09.00 – 09.30	<b>Opening Ceremony</b>	1st Floor Conf.Room
09.30 – 11.15	<b>Conference Sections – Papers Presentations</b>	1st Floor
	<b>Computer Science</b> <i>Chair: Dominic Bucerzan, PhD and Maria Beldiga PhD</i>	Room 104
	<b>Proexplorer</b> Pui Rebeca-Monica and Rodriguez Ignacio	
	<b>Practical Applicability of the Blockchain Technology</b> Hegy Vilmos	
	<b>Integration of DDD file format</b> Caucă Claudia and Meszaros Roland	
	<b>Controlling the Click Bait</b> Coste Claudia-Ioana	
	<b>Development Platforms and Android Games</b> Kovaks Roland and Andronic Mario	
	<b>Arad City App</b> Popa Alexandru	
	<b>Mathematics</b> <i>Chair: Sorin Nădăban, PhD and Păstorel Gașpar, PhD</i>	Room 111
	<b>A Note on the Surjectivity of Compact Operators</b> Șimon Gheorghe-Ionuț	
	<b>Ptolemaic and Copernican Models and Saturn's Observed Motion</b> Mircescu Iulia Daniela	
	<b>Testing the Markowitz Portfolio Optimization Method with Filtered Correlation Matrices</b> Gera Imre	
	<b>Effects of local search changes in the GLOBAL optimization method</b> Mester Abigél	

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11.15 – 11.30	<b>Coffee Break</b>	1st Floor
11.30 – 13.00	<b>Conference Sections – Papers Presentations</b>	1st Floor
	<b>Computer Science</b>	Room 104
	<i>Chair: Valeriu Beiu, PhD and Balázs Bánhelyi, PhD</i>	
	<b>A Statistical Approach of a Social Network</b>	
	Șomîtcă Ioana-Alexandra	
	<b>Development of an online web order system for a Heating, Ventilation and Air Conditioning service company</b>	
	Cheregi Adrian-Claudiu	
	<b>Arduino-Based Automatic Intelligence Car</b>	
	Adamov Serghei	
	<b>Theatre shows' management for iOS devices</b>	
	Miroiu Sorin	
	<b>Modern Web Design</b>	
	Vidican Claudia	
	<b>Humanoid Walking Robot</b>	
	Mercea Damaris-Narcisa and Mocuta Anamaria	
	<b>Mathematics</b>	Room 111
	<i>Chair: Ghiocel Moț, PhD and Cristescu Gabriela, PhD</i>	
	<b>The Hyperbolic Functions and Their Properties</b>	
	Dărăbuș Daniela	
	<b>Weakly Tripotent Rings</b>	
	Cîmpean Andrada	
	<b>Differential Equations and Their Applications</b>	
	Moț Dan	
13.00 – 14.00	<b>Conference Lunch</b>	1st Floor
14.00 – 16.00	<b>Conference Sections – Papers Presentations</b>	1st Floor
	<b>Computer Science 1</b>	Conf.Room
	<i>Chair: Mariana Nagy, PhD and Simona Dzițac, PhD</i>	
	<b>Decision support heuristic for dairy farms</b>	
	Heinc Emilia	
	<b>Basic User Assistance on Search Engine</b>	
	Torok Andrei, Macovei Alexandru, Dobre Alin Sergiu and Brata Carmen	
	<b>Creating the framework for automated testing a web application</b>	
	Gorbatiuc Ina	
	<b>Learning chess by programming</b>	
	Moț Dan and Barna Paula	

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### E-learning platforms. Case study: Moodle

Kashler Estera

### The importance of a suitable design in an online store

Petyo Maria Herieta

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## Computer Science 2

Chair: Ioan Dzițac, PhD and Simon Sándor, PhD

Room 104

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### Implementation of Interactive Rapports in Informational System of Education in Republic of Moldova

Loghinova Veronica

### Accessible Website Design and Application Development

Iamrișka Andreea Susana

### Virtual Representation of Arginine and Histidine Amino Acids

Patcas Daniel Tiberiu

### English for Beginners

Toma Ligia

### Enriching Museum Exhibits with Augmented Reality

Sousa David

### Approaching Collision Triage. An Automated Perspective

Crăciun Alexandru

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19.30 – 22.00 Awards Ceremony

Hotel  
Akademos

Friday, 16.11.2018

10.00 – 14.00

14.00

Social program provided through collaboration with UAV Students League  
Departure of participants