

General Program

Parallel Sessions & Procs

Scope and Topics

Keynote Speakers

Special Sessions

Committees

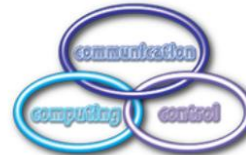
Deadlines

Conference Fees

Venue: Information & Contact

Publication: Instructions to authors

Submission



2018 7<sup>th</sup> International Conference on Computers Communications and Control (ICCCC)

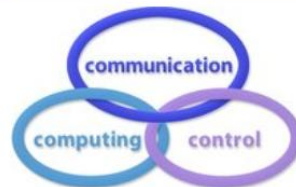


# PROGRAM

Place: [Hotel President](#) (4 stars, aqua-park, spa), Băile Felix, Oradea, România

Period: May 08-12, 2018

Organizer: [Cercetare Dezvoltare Agora](#) (Research & Development Center of Agora University), under the aegis of [Romanian Academy](#): - [Information Science and Technology Section](#).



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**Dedication:** This edition is dedicated to the 100th anniversary of

[RICHARD P. FEYNMAN](#) (1918-1988) - American [theoretical physicist](#) known for his work in the [path integral formulation](#) of [quantum mechanics](#), the theory of [quantum electrodynamics](#) and others.


<http://univagora.ro/en/icccc2018/>

## IEEE-ICCCC2018 GENERAL PROGRAM

### 7<sup>th</sup> International Conference on Computers Communications and Control

8-12 May 2018, ORADEA, BAILE FELIX,

Hotel President Spa <http://www.baile-felix.ro/en/>

DATE	HOURS	ACTIVITY	PLACE
<b>Tuesday, May 08</b>	12:00-22:00	<i>Registration</i>	Hotel President
		<i>(Business Corner – near to Reception) Transfer from Oradea Airport to Hotel President (Baile Felix) - 10 km</i>	Oradea-H. President
<b>Wednesday May 09</b>	07:30-08:30	Breakfast + Registration	Restaurant R1 Hotel President
	08:30-09:00	Transfer from Hotel President to Agora University of Oradea (by bus)	H. President- Agora U.
	09:00-10:30	<i>Official Opening Ceremony</i>	Agora University/  Blue Aula
			<i>Chairs: Prof. I. Dzitac, Acad. F.G. Filip, Prof. M.J. Manolescu, Dr. S. Dzitac</i>
		<b>1. „ICCCC &amp; IJCCC in context of the next level in computing”</b> – welcome word presented by Rector of Agora University: <a href="#">Prof. Ioan Dzitac</a>	
<b>2. In honor of the 100th anniversary of <a href="#">Richard P. Feynman</a> (1918-1988):</b> “ <b><a href="#">Computer Aided Design for Quantum Computing Circuits</a></b> ” – lecture presented by ACM Distinguished Speaker <a href="#">Prof. Amlan Chakrabarti</a> (India)			
<b>3. "A Brief History of Computers in Romania" -</b> presented by Dr.H.C. of Agora University <a href="#">Acad. Florin Gheorghe Filip</a>			
<b>4. "100 Romanian Theoretical Computer Scientists"-</b> presented by Dr.H.C. of Agora University <a href="#">Acad. Gheorghe Păun</a> (Romanian Academy) & <a href="#">Acad. Svetlana Cojocaru</a> (Moldavian Academy of Sciences)			
<b>5. "Dr.H.C. Ceremony for <a href="#">Prof. Alfred M. Bruckstein</a>"</b> - chaired by President of Senate: <a href="#">Prof. Adriana Manolescu</a> & President of Agora University <a href="#">Prof. Misu-Jan Manolescu</a> .			
	10:30-11:20	<i>Keynote lecture: "From Ants to A(ge)nts: The Wonderfully Weird World of Multi-Agent Swarms"</i> <i>Prof. Alfred M. Bruckstein (Israel)</i>	Agora University Chair: Acad. A. Kaklauskas
	11:20-11:50	Coffee break & Exhibition "100 Books and Journals"	Agora University Green Aula
	11:50-13:30	"100 minutes through beautiful Oradea" - guided tour of Oradea	Bus Trip

	13:30-14:00	Transfer by Bus to Hotel President	Agora U.– H. President
	14:00-15:30	Lunch	Restaurant R1
	16:00-16:50	Plenary lecture (Romanian experienced researcher from diaspora ): "Advances in Fuzzy Systems" Dr. Barnabas Bede (USA)	S1 (conference room – ground floor H. President Spa) Chair: Prof. V. Beiu
	16:50-17:40	Plenary lecture: "Body Language and Affective Computing" Acad. Arturas Kaklauskas (Lithuania)	Hotel President/ Room S1 Chair: Acad. F.G. Filip
	17:40-18:10	Coffee break	Hotel President
	18:10-19:00	Plenary lecture: "Methodologies for Solving Complex Multi-Objective Combinatorial Problems in Engineering: An Evolutionary Approach Applied to Computer Networks" Dr. Yezid Donoso (Colombia)	Hotel President/ Room S1 Chair: Dr. B. Bede
	19:00-19:50	Plenary lecture (Romanian experienced researcher returned from diaspora): "Brain-inspired Nano-architectures" Prof. Valeriu Beiu (Romania)	Hotel President/ Room S1 Chair: Dr. Y. Donoso
	20:00-23:00	"Romanian songs & dances" Romanian Welcome Dinner	Events Restaurant- Outside of H. President
<b>Thursday May 10</b>	07:30-09:00	Breakfast	Hotel President/ R1
	09:00-11:00	Parallel Sessions	Hotel President
	11:00-11:30	Coffee break	Hotel President
	11:30-13:30	Parallel Sessions	Hotel President
	13:30-14:00	Closing Ceremony	Hotel President / S1
	14:00-15:30	Lunch	Hotel President/ R1
	15:30-19:30	Free activities	Baile Felix Tour/Spa
	20:00-22:00	International Dinner	Events Restaurant- Outside of H. President
<b>Friday May 11</b>	07:00-07:30	Breakfast	
	07:30-22:00	EXCURSION: H. President -Turda Salt Mine - Onelia House (Girda)- Arieseni- -Beius - H. President	
<b>Saturday May 12</b>	07:30-11:00	Breakfast	
	09:00-12:00	Departure of participants	

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## IEEE-ICCC2018: SESSION S1

Hotel President, May 10, 2018

Part 1: 09:00-11:00; Coffee break: 11:00-11:30; Part2: 11:30-13:30

**Note:** Time scheduled for a paper presentations: 20 minutes which include the time for discussion (usually 5 minutes).

Room	Chairs	Session's Title		
S1	Barnabas Bede (USA) Alfred Bruckstein (Israel) Juan Sepulveda (Chile) Bogdana Stanojevic (Serbia)	Fuzzy Logic & Information Systems  (S1 =Conference room in H. President Spa - ground floor)		
No	Authors	Title	PDF	Room
1.	Ana Pajić Simović, Slađan Babarogić and Ognjen Pantelić	A Domain-Specific Language for Supporting Event Log Extraction from ERP systems	ID 9	S1
2.	Fredi Palominos, Claudia Duran and Felisa Cordova	Multidimensional Data Model for the Analysis of Information of Productive, Services or Scientific Processes	ID 16	S1
3.	Felisa Cordova, Fernando Cifuentes and Rogers Atero	Hilbert Huang Transform (HHT) Applied to Memorization of Objects using the Tactile Sense	ID 19	S1
4.	Elias D. Nino-Ruiz, Alfonso M. Mancilla-Herrera and Rolando Beltran-Arrieta	Non-Gaussian Data Assimilation via Modified Cholesky Decomposition	ID 27	S1
5.	Victor Olivares and Astrid Oddershede	Evaluate and Select Technological Options to Produce Ferric Chloride using Analytic Hierarchy Process Improved with Fuzzy Logic	ID 36	S1
6.	Ignacio Perez-Hurtado, Mario J. Pérez Jiménez, Gexiang Zhang and David Orellana Martín	Robot Path Planning using Rapidly-exploring Random Trees: A Membrane Computing Approach	ID 35	S1
<b>Coffee break: 11:00-11:30</b>				
7.	Felisa Cordova, Claudia Duran and Fredi Palominos	Dynamic Evaluation of Balanced Scorecard using Fuzzy Knowledge based Representations	ID 38	S1
8.	Astrid Oddershede, Francisco Watkins and Luis Quezada	Methodology Proposal for Appraising Health Service ICT System Implication	ID 40	S1
9.	Rodrigo Martínez, Claudio Cubillos, Héctor Vargas and Jorge Mendoza	Self Healing of Electric Distribution Networks: A Review	ID 42	S1
10.	Carolina Lagos, Cristian M. Antonucci, Claudia Duran, Raúl Carrasco and Juan Sepulveda	Intelligent Management of the Energy in Copper Mining, Using Predictive Supervision Systems	ID 46	S1
11.	Ali Amer Mohammed Saeed	Recent Neutrosophic Models for KRP Systems	ID 58	S1
12.	Fuad Aleskerov, Olga Khutorskaya, Alexander Buldyaev and Aibulat Yamilov	Parkinson's Disease: Network Analysis of Publications' Influence	ID 64	S1
13.	El-Hachemi Hadj-Mihoub-Sidi-Moussa, Rachida Touhami and Smail Tedjini	A New RFID Localization System based on Detection Frequency	ID 8	S1

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## IEEE-ICCC2018: SESSION S2

Hotel President, May 10, 2018

Part 1: 09:00-11:00; Coffee break: 11:00-11:30; Part2: 11:30-13:30

**Note:** Time scheduled for a paper presentations: 20 minutes which include the time for discussion (usually 5 minutes).

Room	Chairs	Session's Title		
S2	Valeriu Beiu (Romania) Simon Cowell (UAE) Ivan Derpich (Chile) Dalin Zhang (China)	Brain inspired-Nano-architectures & Computer Engineering  (S2 =Conference room in H. President, semi-basement)		
No	Authors	Title	Paper	Room
1.	Dalin Zhang and Xiaokang Qiu	Applying GIS and Multilayered Interactive Cellular Automata to High-speed Train Control System Modelling	ID 5	S2
2.	Mariana Nagy, Simon Cowell and Valeriu Beiu	Are 3D Fibonacci Spirals for Real? -- From Science to Arts and Back to Science	ID 6	S2
3.	Ivan Derpich, Daniela Miranda and Juan Sepulveda	Using Drones in a Warehouse with Minimum Energy Consumption	ID 11	S2
4.	Constantin Barbulescu, Stefan Kilyeni, Antheia Deacu, Attila Simo and Mihaela Craciun	Power Consumption Forecast Quality Assessment	ID 15	S2
5.	Violeta Chis, Constantin Barbulescu, Stefan Kilyeni and Simona Dzitac	Short-Term Load Forecasting Software Tool	ID 23	S2
6.	Valeriu Beiu, Simon Cowell, Vlad Drăgoi, Sorin Hoară and Păstorel Gaşpar	Hammocks versus Hammock	ID 24	S2
<b>Coffee break: 11:00-11:30</b>				
7.	Vlad Drăgoi, Simon Cowell, Sorin Hoară, Păstorel Gaşpar and Valeriu Beiu	Could Series and Parallel Compositions Improve on Hammocks ?	ID 26	S2
8.	Noemi-Clara Rohatinovici, Simon Cowell, Leonard Daus, Philippe Poulin, Vlad Dragoi, Valentina Emilia Balas and Valeriu Beiu	On Algorithms for Evaluating the Reliability of Large Hammock Networks	ID 48	S2
9.	Roxana-Mariana Beiu and Valeriu Beiu	The Latest on the Axon Initial Segment	ID 49	S2
10.	Fernando Yanine, Felisa Cordova, Antonio Sanchez-Squella, Sarat Kumar Sahoo, Aldo Barrueto and Hans C. Rother	When Energy Efficiency is not Enough: Homeostaticity of Energy Systems and Why Electric Utilities Should Care	ID 57	S2
11.	Nicolae Vasiliu, Toma Cojocaru-Greblea, Constantin Călinoiu, Daniela Vasiliu and Marius Bontoş	Modeling and Simulation of a Hybrid Electrohydraulic Flight Control Servomechanism for A380	ID 61	S2
12.	Attila Simo, Constantin Barbulescu, Stefan Kilyeni and Claudia Dragos	LoRa based Energy Efficiency Improving in Manufacturing Processes	ID 69	S2

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## IEEE-ICCC2018: SESSION S3

Hotel President, May 10, 2018

Part 1: 09:00-11:00; Coffee break: 11:00-11:30; Part2: 11:30-13:30

**Note:** Time scheduled for a paper presentations: 20 minutes which include the time for discussion (usually 5 minutes).

Room	Chairs	Session's Title		
S3	Dominic Bucerzan (Romania) Yezid Donoso (Colombia) Yonal Kirsal (Turkey) Tania Richmond (France)	Network Optimization & Security  (S3= Conference room in H. President –ground floor, near to bar)		
No	Authors	Title	Paper ID	Room
1.	Mara Bukvić, Bogdana Stanojević and Milan Stanojević	Multiple Objective Channel Allocation Problem in 5G Networks	ID 17	S3
2.	Germán Montoya and Yezid Donoso	A Prediction Algorithm based on Markov Chains for finding the Shortest Path in a Mobile WSN	ID 21	S3
3.	Yonal Kirsal, Vishnu Vardhan Paranthaman and Glenford E. Mapp	Exploring Analytical Models to Maintain Quality-of-Service for Resource Management using a Proactive Approach in Highly Mobile Environments	ID 22	S3
4.	Cristian Barria, David Cordero, Claudio Cubillos, Hector Allende and Claudio Casado	Ofuscation Procedure based on the Insertion of the Dead Code in the Crypter by Binary Search	ID 25	S3
5.	Juan C. Montoya, Adarshpal Sethi and Natalia Gaviria	A Load-Based and Fair Radio Access Network Selection Strategy with Traffic Offloading in Heterogeneous Networks	ID 29	S3
6.	Guillermo Fuertes, Miguel Alfaro, Ismael Soto, Raúl Carrasco, Daniel Iturralde and Carolina Lagos	Optimization Model for Location of RFID Antennas in a Supply Chain	ID 30	S3
<b>Coffee break: 11:00-11:30</b>				
7.	Haomin Wang, Gang Kou and Yi Peng	Cost-sensitive Classifiers in Credit Rating: A Comparative Study on P2P Lending	ID 31	S3
8.	Vlad Dragoi, Tania Richmond, Dominic Bucerzan and Axel Legay	Survey on Cryptanalysis of Code-Based Cryptography: from theoretical to physical attacks	ID 33	S3
9.	Iván Alfonso, Camilo Gómez, Kelly Garcés and Jaime Chavarriaga	Lifetime Optimization of Wireless Sensor Networks for Gas Monitoring in Underground Coal Mining	ID 34	S3
10.	Carlos Lozano and Yezid Donoso	A Multi Attribute Planning Algorithm for the Selection of Joint Processing Schemes in a Smart Cities Environment	ID 44	S3
11.	Albullah Aljumah and Tariq Ahamed Ahanger	Fog Computing and Security issues: A review	ID 52	S3
12.	Daniela Elena Popescu, Anca Dodescu Dodescu, Marcela Florina Prada, D Jude Hemanth and Constantin Bungau	A Secure Confident Cloud Computing Architecture Solution for a Smart Campus	ID 65	S3

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## IEEE-ICCC2018: SESSION S4

Hotel President, May 10, 2018

Part 1: 09:00-11:00; Coffee break: 11:00-11:30; Part2: 11:30-13:30

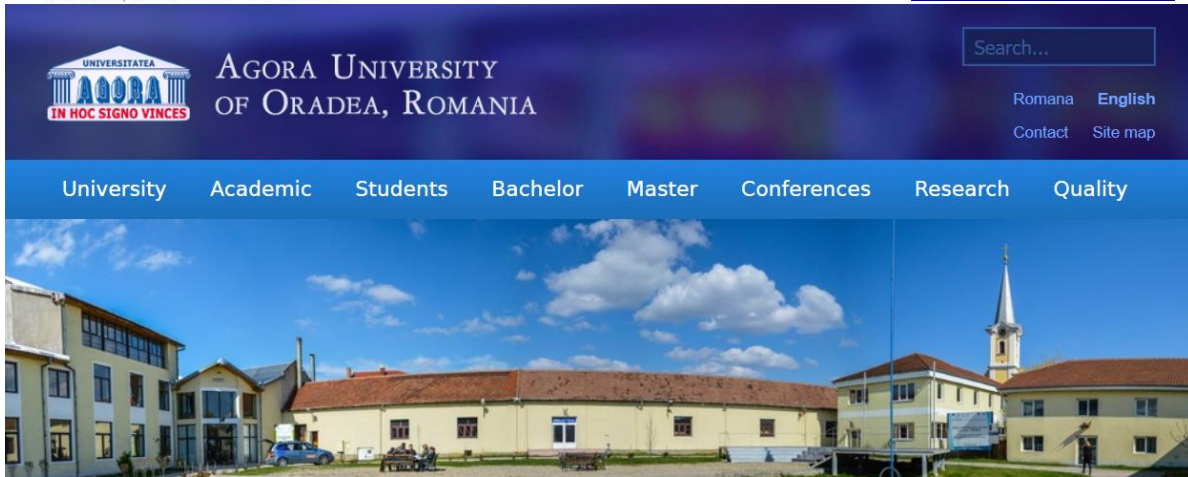
**Note:** Time scheduled for a paper presentations: 20 minutes which include the time for discussion (usually 5 minutes).

Room	Chairs	Session's Title
S4	Felisa Cordova (Chile) Florin Gheorghe Filip (Romania) Ismael Lopez-Juarez (Mexico) Arturas Kaklauskas (Lithuania)	Affective Computing, Artificial Intelligence& Decision Making  (S4= Taverna Boierului – outside of H. President)

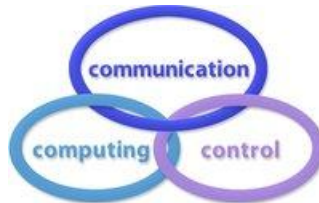
No	Authors	Title	Paper	Room
1.	Arturas Kaklauskas, Laura Tupenaite, Ieva Ubarte and Dainius Raupys	Video Neuro-advertising Recommender Model for Affective BIM	ID 1	S4
2.	Saulius Raslanas, Arturas Kaklauskas, Natalija Lepkova, Dilanthi Amaratunga and Arune Binkyte	Recommender affective system and INVAR method for an integrated analysis of the university-industry partnerships	ID 2	S4
3.	Jozsef Suto, Stefan Oniga and Petrica Pop Sitar	Music Stimuli Recognition from Electroencephalogram Signal with Machine Learning	ID 7	S4
4.	Astrid Oddershede, Claudio Macuada and Luis Quezada	DM Methodology for Automating Technology System in Water Treatment Plants	ID 28	S4
5.	Luis Quezada, Daniela Acuna, Astrid Oddershede and Pedro Palominos	A Method for Formulating Strategic Action Plans using Multicriterial Methods	ID 39	S4
6.	Pedro Palominos, Luis Quezada, Claudio Carrasco and Ruben Galarce	Prediction of Failures trough Neural Networks in a Mining Productive System	ID 43	S4
<b>Coffee break: 11:00-11:30</b>				
7.	Carolina Lagos, Raúl Carrasco, Ismael Soto, Guillermo Fuertes, Miguel Alfaro and Manuel Vargas	Predictive Analysis of Energy Consumption in Mining for Decision Making	ID 45	S4
8.	Maria Visan and Firicel Mone	Big Data Services based on Mobile Data and their Strategic Importance	ID 47	S4
9.	Ismael Lopez-Juarez, Reyes Rios-Cabrera, Emmanuel Rojas-Sanchez, Alan Maldonado-Ramirez and Gaston Lefranc	Grounding the Lexicon for Human-Robot Interaction during the Manipulation of Irregular Objects	ID 55	S4
10.	Ioana Andreea Stefan and Antoniu Stefan	Decision Support Systems with Dynamic Architectures	ID 56	S4
11.	Juan Miguel Sepúlveda, Ivan Arriagada and Ivan Derpich	Decision Support System for Distribution of Supplies in Natural Disaster Situations	ID 59	S4
12.	Hasan Çimen and Ismail Yabanova	Classification of Dynamic Egg Weight using Artificial Neural Network	ID 60	S4

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