

The 41st ARA Congress, July 19-22, 2017
UNIVERSITY OF CRAIOVA, Strada A. I. Cuza No.13, Craiova, RO-200585, ROMANIA

Congress Program

Morning		Day 1: Wednesday, the 19 th of July, 2017	
		Central Building (Rectorate)	
8:30-9:30	Registration		
		Central Building (Rectorate), Blue Hall (Senate Room)	
9:30-10:00	Opening Ceremony. Welcome Speeches: Cezar Ionut Spinu , Rector of the University of Craiova, Ruxandra Mihaela Botez , Chair of the 41st ARA Congress, Ruxandra Vidu , President of ARA		
		Keynote Sessions	
		Central Building (Rectorate), Blue Hall (Senate Room)	
		Chairs: Ruxandra Botez and Serban Popa	
10:00-10:30	Acad. Gheorghe Paun , Romanian Academy, Romania Some Wonders of a Bio-Computer-Scientist		
10:30-11:00	Acad. Dorel Banabic , Technical University of Cluj Napoca, Romania The Fourth Industrial Revolution		
11:00-11:30	Mihai Teodor Olteanu , Visual Artist, presents his exhibition "Scara raiului" of Mr Teodor Mihai Olteanu will be open to the public during the 41st ARA Congress, free of charge, in the "Great Hall", from July 19 to July 20, 2017, 10:00-18:00.		
11:30-12:00	Dan Fornade, Prof. Marymount Academy, Montreal, Canada Elite ale exilului romanesc		
12:00-12:30	Gheorghe Manolea, University of Craiova, Correspondent member, Academy of Technical Sciences of Romania (ASTR), Romania Gogu Constantinescu, Son of Craiova – Exponent of Romania		
12:30-12:50	Sabin Ionel, Politehnica University of Timisoara, Romania Lansare de carte "Romania in quotations/Romania in citate", editie bilingva		
12:50-13:10	Ilie Popa, University of Pitesti, Romania Prezentare de carte "Antologie lirica a detentiei anticomuniste din spatiul romanesc"		
13:10-13:30	Press Conference		
13:30-14:30	Lunch Break		
Afternoon		Day 1: Wednesday, the 19 th of July, 2017	
Parallel Sessions			
14:30-16:00	Session 1: Interdisciplinarity & Transdisciplinarity	Session 2: Chemistry/Neurosciences	
	Central Building (Rectorate), Blue Hall (Senate Room)	Central Building (Rectorate), “Iosif Constantin Drăgan” Amphitheater (Room 444)	
Chair: A. Dumitrache		Chair: I.N. Popescu	
Mathematical &numerical analysis of the Coanda effect		Lyapunov exponents of Trotting horses	
14:30-15:00	Alexandru Dumitrache ¹ , Florin Frunzulica ¹ , Octavian Preotu ² , ¹ Institute of Mathematical Statistics and Applied Mathematics, "Gh. Mihoc - C. Iacob", Bucharest, ² University of Craiova, Romania	Jinghua Cao, Dan Marghitu , John Schumacher, Auburn University, AL 36849, USA	
15:00-15:30	Vincentiu Babes – Self Portrait in the Mirror Ioana Ionel, Sabin Ionel , Politehnica University of Timisoara, Romania	Neuroștiințe, transdisciplinaritate și progres, Dan Riga , Sorin Riga, Mirela Manea, Academy of Romanian Scientists, Romania	
15:30-16:30	Central Building (Rectorate), Blue Hall (Senate Room)		
15:30-16:00	On Aces and Fighter Aviation in Romania - 100 years		
Victor Strimbeanu, General Maior, Ministerul Apararii Nationale			
16:00-16:30	Coffee Break, viewing exposition, posters and discussions		
16:30-17:30	General Assembly Meeting, Central Building (Rectorate), Blue Hall (Senate Room)		
19:30-21:30	Welcome Reception, Hotel Europeca, Strada Pietății 9-11-13, Craiova		

Morning		Day 2: Thursday, the 20 th of July, 2017	
8:30-9:30	Registration		
9:30-11:30	Parallel Sessions		
	Session 3: Environment	Session 4: Arts (History, Literature, Religion)	
	Central Building (Rectorate), Blue Hall (Senate Room)	Central Building (Rectorate), "Iosif Constantin Drăgan" Amphitheater (Room 444)	
	Chair: I. Ionel	Chair: D. Riga	
9:30-9:50	Can we survive with fossil fuels? Ioana Ionel , Politehnica University Timișoara, Romania	Dinastia Bogos in Istoria Romaniei John Starway , ADRIC, Canada	
9:50-10:10	On the resilience of a nature-inspired class of algorithms Nechita Elena , V. Alecsandri University Bacău, Romania	Pavel Tornea – Un poet al oboiului Gheorghe Palcu , Bucuresti, ROMANIA	
10:10-10:30	Optical and electrical properties of ZnS: Cu alloys prepared by chemical bath deposition Abdelhak Jrad, Tarek Ben Nasr, Najoua Kamoun , Université Tunis El Manar, Tunisia, & Souad Ammar, Université Paris Diderot, France	The history of civilizations. Identity culture and national patrimony Dan Riga* , Sorin Riga*, Lucretia Brezeanu**, Academy of Medical Sciences, Bucharest, Romania, **American Society of Chemistry, Washington, DC, USA	
10:30-10:50	The circumstances and contributive factors of estimate and selection of the informational situational resources of economic informatics svstems Tudor Ștefan Leahu , Free International University of Moldova, Chisinau, Republic of Moldavia	Reprezentativitate româno - americană în neuroștiințe, medicina anti-aging și științele longevității Dan Riga , Sorin Riga, Academy of Medical Sciences, Bucharest, Academy of Romanian Sietists Romania	
	Central Building (Rectorate), Blue Hall (Senate Room)		
10:50-11.10	Regele Ferdinand I al României la 90 ani de la moarte Pr. Cezar Vasiliu		
11:10-11:30	Coffee Break, viewing exposition, posters and discussions		
11:30-13:00	Parallel Sessions		
	Session 5: Environment & EGINEERING	Session 6: Arts (Religion, Literature, Music)	
	Central Building (Rectorate), Blue Hall (Senate Room)	Central Building (Rectorate), "Iosif Constantin Drăgan" Amphitheater (Room 444)	
	Chair: N. Kamoun	Chair: S. Drăgulin	
11:30-12:00	Aircraft and Engine Modeling Aspects Ruxandra Mihaela Botez , ÉTS, Canada	Turism religios în Republica Moldova Slobozean Anastasia , Todoroi Dumitru, University of Moldavia, and The Academy of Science, Republic of Moldavia	
12:00-12:30	Surface engineering - prosthetic dentistry approach Cosmin Mihai Cotrut , University POLITEHNICA of Bucharest, Romania	Mostenirea metafizica (esoterica) soresciana Negulescu Nicolae , Director "Regatul Cuvantului" Journal and "Sfera Eonica" Journal, Romania	
12:30-13:00	Optical and electrical properties of ZnS:Cu alloys prepared by chemical bath deposition Abdelhak Jrad, Tarek Ben Nasr, Najoua Kamoun , Université Tunis El Manar, Tunisia	Measuring the Effects of Mozart's Music on Adult Audience Stela Drăgulin , Fulvia Anca Constantin, Transilvania University, Brașov, Romania	
13:00-14:00	Lunch Break		
Afternoon	Central Building (Rectorate), Blue Hall (Senate Room)		
14:00-14:30	Prezentare de carte: "Peisaje si Anotimpuri" Rodica Elena Lupu , Editura ANAMAROL, Romania		
14.30-18.00	Parallel Sessions		
	Session 7: Chemistry	Session 8: History and Biography	
	Central Building (Rectorate), Blue Hall (Senate Room)	Central Building (Rectorate), "Iosif Constantin Drăgan" Amphitheater (Room 444)	
	Chair: M. Lucaci	Chair: J. Starway	
14:30-15:00	Advanced High Strength Steel (AHSS) Alloys Mariana Lucaci , Magdalena Lungu, Eugeniu Vasile*, Virgil Marinescu, Dorinel Talpeanu, Gabriela B. Sbarcea, Nicolae Stancu, Iorga Alexandru, Manta Eugen, INCIE ICPE-CA, *University "Politehnica" of Bucharest, Romania	Emil Turdeanu - personalitate a exilului romanesc Andreea Fanea , Biblioteca Centrala Universitara "Carol I", Bucuresti, Romania	
15:00-15:30	Compaction of Metal-Ceramic Powder Mixtures Ileana N. Popescu , University of Targoviste, Romania, Ruxandra Vidu, University of California, Davis, USA	Marea Tartarie, Imperiul Slavo-Arian, o Istorie Unitara John Starway , ADRIC, Canada	
16:00-18:00	Piano Concert : Renata Vary - canto si Botond Szocs - pian Muzeul de Arta, Palatul Jean Mihail, Calea Unirii 15, Craiova 200419		
19:00-22:00	Dinner (Cina Olteneasca) with DJ music, Hotel Europeca, Strada Pietății 9-11-13, Craiova		

Morning		Day 3: Friday, the 21 th of July, 2017	
8:30-9:30	Registration		
9:30-11:00	Session 9: IT & Engineering	Session 10: Round Table	
	Central Building (Rectorate), Blue Hall (Senate Room)	Central Building (Rectorate), "Iosif Constantin Drăgan" Amphitheater (Room 444)	
	Chair: D. Todoroi		
9:30-10:00	Adaptability in ROBO-intelligence development Dumitru Todoroi , AESM, Chisinau, Republic of Moldavia	Round Table: Climate change quo vadis?? Case study of the educational offer by the Polithnica University of Timisoara (in limba romana) , Ioana Ionel (Moderator), Politehnica University of Timisoara, Veronica Balaj, Radio Romania Actualitati, Dan Nicolae Gherman, Matei Lordos, Claudiu Ion Ungureanu, Iulia Mircea, Roxana Ivan, Oana Falup, Delia Gabriela Calinoiu, Ramon Mihai Balogh Politehnica University of Timisoara, Romania	
10:00-10:30	Web Factory Ana Onica , Dumitru Todoroi, AESM, Chisinau, Republic of Moldavia		
	Restabilirea functiei contractile cardiace prin implantarea grupurilor de neuroni la nivelul nodului sinoatrial din cord		
10:30-11:00	Vasiliu C.C. Catalina Victoria , DVM, Faculty of Veterinary Medicine Bucharest, USAMV, Romania		
11:00-11:30	Coffee Break, viewing posters and discussions		
11:30-13:00	Parallel Sessions		
	Session 11: History	Session 12: Engineering	
	Central Building (Rectorate), Blue Hall (Senate Room)	Central Building (Rectorate), "Iosif Constantin Drăgan" Amphitheater (Room 444)	
	Chair: Ghe. Palcu		Chair: I. Opris
11:30-12:00	The Ice Divan - the slaughter of Constantin Brancoveanu Veronica Balaj , Radio Romania Actualitati, Timisoara, Romania	Electrodeposition of Ag doped HAp in a single step on Ti6Al4V substrate Diana Maria Vranceanu , University POLITEHNICA of Bucharest, Romania	
12:00-12:30	Elena Vacarescu, at the Crossroads between History and Culture Veronica Balaj , Radio Romania Actualitati, Timisoara, Romania	Augmentation of brain function: facts and possibilities Ioan Opris , Miami Project to Cure Paralysis, University of Miami USA and Faculty of Veterinary Medicine Bucharest, USAMV, Romania	
13:00-15:00	Lunch Break		
Afternoon		Day 3: Friday, the 21 th of July, 2017	

Afternoon	Day 3: Friday, the 21 th of July, 2017
	Round Table - <i>Exilul cultural - institutii, ziare, personalitati (in Romanian language)</i> Biblioteca Judeteana Aman, Str. Mihail Kogalniceanu nr. 9, Craiova, Romania Moderator: Dan Fornade , Prof. Marymount Academy, Montreal, Canada Participant: Lucian Dindirica, Mihaela Albu, Ruxandra Vidu, Ruxandra Mihaela Botez, Marin Bica Dan Fornade <i>Ziare romanesti din Exil/Diaspora</i> Film documentar: <i>Romanii din Montreal - Danway Production</i> 16:30-19:30 Lucian Dindirica, Director Biblioteca Judeteana Aman, Craiova, Romania Serban Popa, Om de Cultura si Arta Pluridisciplinar, Canada Mihaela Albu – guest speaker - <i>Scriitori romani din Exil</i> Veronica Balaj, Radio Romania Actualitati, Timisoara, Romania Anca Fanea, Institutul de Lingvistica "I. Iordan - Al. Rosetti" al Academiei Romane Ruxandra Vidu, <i>Institutii romanesti din Diaspora: Academia Romano-Americana</i> Ruxandra Botez, <i>Impresii de la Congresele ARA</i> 20:00-22:00 Congress Dinner & Awards, with DJ music, Hotel Europeca, Strada Pietății 9-11-13, Craiova
Morning	Day 4: Saturday, the 22 th of July, 2017
	Central Building (Rectorate), "Iosif Constantin Drăgan" Amphitheater (Room 444) Closing ceremony. Lessons to be learned. Reading the ARA-41 Congress messages received from members. Announcement of the next year ARA Congress. 9:00-10:00 Chairs: ARA President, R. Vidu, R. Constantinescu, R. Botez, T.L. Grigorie up 11.00 Organized trip depending on the number of interested participants (e.g."La Cetate", Crama domnului Mircea Dinescu) Costs & condistions will be announced at the Congress