

# Congress Program

Morning		Day 1: Wednesday, the 19 <sup>th</sup> of July, 2017	
		Central Building (Rectorate)	
8:30-9:30	<b>Registration</b>		
		Central Building (Rectorate), Blue Hall (Senate Room)	
9:30-10:00	<b>Opening Ceremony.</b> Welcome Speeches: <b>Cezar Ionut Spinu</b> , Rector of the University of Craiova, <b>Ruxandra Mihaela Botez</b> , Chair of the 41st ARA Congress, <b>Ruxandra Vidu</b> , President of ARA		
<b>Keynote Sessions</b>			
		Central Building (Rectorate), Blue Hall (Senate Room)	
Chairs: Ruxandra Botez and Serban Popa			
10:30-11:00	<b>Acad. Gheorghe Paun</b> , Romanian Academy, Romania Some Wonders of a Bio-Computer-Scientist		
11:00-11:30	<b>Acad. Dorel Banabic</b> , Technical University of Cluj Napoca, Romania The Fourth Industrial Revolution		
10:00-10:30	<b>Mihai Teodor Olteanu</b> , 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	<b>Dan Fornade</b> , Prof. Marymount Academy, Montreal, Canada Elite ale exilului romanesc		
12:00-12.30	<b>Gheorghe Manolea</b> , 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	<b>Sabin Ionel</b> , Politehnica University of Timisoara, Romania Lansare de carte "Romania in quotations/Romania in citate", editie bilingva		
12.50-13.10	<b>Ilie Popa</b> , 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 <sup>th</sup> of July, 2017	
Parallel Sessions			
14:30-16:00	Session 1: Interdisciplinarity & Transdisciplinarity Central Building (Rectorate), Blue Hall (Senate Room)	Session 2: Chemistry/Neurosciences Central Building (Rectorate), "Iosif Constantin Drăgan" Amphitheater (Room 444)	
Chair: <b>A. Dumitrache</b>		Chair: <b>I.N. Popescu</b>	
14.30-15.00	Mathematical and numerical analysis of the Coanda effect  <b>Alexandru Dumitrache</b> <sup>1</sup> , Florin Frunzulica <sup>1</sup> , Octavian Preotu <sup>2</sup> , <sup>1</sup> Institute of Mathematical Statistics and Applied Mathematics, "Gh. Mihoc - C. Iacob", Bucharest, <sup>2</sup> University of Craiova, Romania	Lyapunov exponents of Trotting horses  Jinghua Cao, <b>Dan Marghitu</b> , John Schumacher, Auburn University, AL 36849, USA	
15:00-15:30	Vincentiu Babes – Self Portrait in the Mirror Ioana Ionel, <b>Sabin Ionel</b> , Politehnica University of Timisoara, Romania	Neuroștiințe, transdisciplinaritate și progres, <b>Dan Riga</b> , Sorin Riga, Mirela Manea, Academy of Romanian Scientists, Romania	
15:30-16:00	Central Building (Rectorate), Blue Hall (Senate Room)		
On Aces and Fighter Aviation in Romania - 100 years			

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)**

19:00-21:00

Welcome Reception, Hotel Europeca, Strada Pietății 9-11-13, Craiova

**Morning Day 2: Thursday, the 20<sup>th</sup> of July, 2017**

9:00-9:30

**Registration**

9:30-11:10

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 of 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**, "Vasile Alecsandri" University of 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 systems

Reprezentativitate româno - americană în neuroștiințe, medicina anti-aging și științele longevității

**Tudor Ștefan Leahu**, Free International University of Moldova, Chisinau, Republic of Moldavia

**Dan Riga**, Sorin Riga, Academy of Medical Sciences, Bucharest, Academy of Romanian Scientists Romania

10:50-11:10

Central Building (Rectorate), Blue Hall (Senate Room)

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 & Engineering

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

14:00-14:30	Central Building (Rectorate), Blue Hall (Senate Room)	
	Prezentare de carte: "Peisaje si Anotimpuri"	
	Rodica Elena Lupu, Editura ANAMAROL, Romania	
Afternoon	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: <b>M. Lucaci</b>	Chair: <b>J. Starway</b>
14:30-15:00	Advanced High Strength Steel (AHSS) Alloys <b>Mariana Lucaci</b> , Magdalena-Valentina Lungu, Eugeniu Vasile*, Virgil Marinescu, Dorinel Talpeanu, Gabriela-Beatrice Sbarcea, Nicolae Stancu, Iorga Alexandru, Manta Eugen, INCDIE ICPE-CA,	Emil Turdeanu - personalitate a exilului romanesc <b>Andreea Fanea</b> , Biblioteca Centrala Universitara "Carol I", Bucuresti, Romania
15:00-15:30	Compaction of Metal-Ceramic Powder Mixtures <b>Ileana Nicoleta Popescu</b> , University of Targoviste, Romania & Ruxandra Vidu, University of California, Davis, USA	Marea Tartarie, Imperiul Slavo-Arian, o Istorie Unitara <b>John Starway</b> , ADRIC, Canada
16:00-18:00	<i>Piano Concert</i> : <b>Renata Vary</b> , canto si <b>Botond Szocs</b> , pian <b>Muzeul de Arta, Palatul Jean Mihail, Calea Unirii 15, Craiova 200419</b>	
19:00-22:00	Dinner (Cina Olteneasca) with DJ music, Hotel Europeca, Strada Pietății 9-11-13, Craiova	

**Morning** Day 3: Friday, the 21<sup>th</sup> of July, 2017

9:00-9:30	<b>Registration</b>	
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: <b>D. Todoroi</b>	
9:30-10:00	Adaptability in ROBO-intelligence development <b>Dumitru Todoroi</b> , AESM, Chisinau, Republic of Moldavia	<b>Round Table: Climate change quo vadis?? Case study of the educational offer by the Politehnica University of Timisoara (in limba romana)</b> , <b>Ioana Ionel</b> (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 <b>Ana Onica</b> , Dumitru Todoroi, AESM, Chisinau, Republic of Moldavia	
10:30-11:00	Restabilirea functiei contractile cardiace prin implantarea grupurilor de neuroni la nivelul nodului sinoatrial din cord <b>Vasiliu C.C. Catalina Victoria</b> , DVM, Faculty of Veterinary Medicine Bucharest, USAMV, Romania	
11:00-11:30	Coffee Break, posters and discussions	
11:30-12.30	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: <b>Ghe. Palcu</b>	Chair: <b>I. Opris</b>
11:30-12:00	The Ice Divan - the slaughter of Constantin Brancoveanu <b>Veronica Balaj</b> , Radio Romania Actualitati, Timisoara, Romania	Electrodeposition of Ag doped HAp in a single step on Ti6Al4V substrate <b>Diana Maria Vranceanu</b> , University POLITEHNICA of Bucharest, Romania
12:00-12:30	Elena Vacarescu, at the Crossroads between History and Culture <b>Veronica Balaj</b> , Radio Romania Actualitati, Timisoara, Romania	Augmentation of brain function: facts and possibilities <b>Ioan Opris</b> , 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<sup>st</sup> of July, 2017

Parallel Sessions

	Session 13: Material Science and Engineering	Session 14: Poster
15:00-16:00	Central Building (Rectorate), Blue Hall (Senate Room)	Central Building (Rectorate), The lobby from the front of Blue Hall (Senate Room)
	Chair: <b>M. Branzei</b>	Poster Jury Chair: <b>Marin Bica</b>
15:00-15:20	A New Approach for Measurement Uncertainty Estimation in Material Testing <b>Mihai Branzei</b> , Ion Pencea, Ruxandra Vidu, Catalin Eugen Sfat and Ramona Nicoleta Turcu, University	
15:20-15:40	Renewable sources for production of derived fuels and power generation via new thermochemical approaches – international research collaborations” Faculty of Power Engineering <b>Cosmin Marculescu</b> , University POLITEHNICA of Bucharest, Romania	Poster Session and Awards' Competition, Poster jury team: Ruxandra Botez, Dumitru Todoroi (Posters NB 1-9), Ruxandra Vidu, Najoua Kamoun (Posters NB 10-19) Ioan Opris, John Starway (Posters NB 20-29)
15:40-16:00	Effect of sprayed volume on structural and electrical properties of Cu <sub>2</sub> FeSnS <sub>4</sub> thin film grown by Spray pyrolysis Chayma Nefzi, Mehdi Souli, Yvan Cuminal and <b>Najoua Kamoun-Turki</b> , University of Tunis El Manar, Tunisia	
16:30-19:30	<b>Round Table - Exilul cultural - institutii, ziare, personalitati (in Romanian language)</b> Biblioteca Judeteana Aman, Str. Mihail Kogalniceanu nr. 9, Craiova, Romania Moderator: <b>Dan Fornade</b> , Prof. Marymount Academy, Montreal, Canada Participanti: 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> 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 Congresul ARA 40</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<sup>nd</sup> of July, 2017

9:00-10:00

**Closing ceremony. Lessons to be learned. Read the ARA-41 Congress messages received from members. Announcement of the next year ARA Congress.**

**Organized trip** depending on the number of interested participants (e.g."La Cetate", Crama domnului Dinescu), Costs will be announced at the Congress