



AMERICAN ROMANIAN ACADEMY OF ARTS AND SCIENCES (ARA)  
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# **Program**

## **the 45<sup>th</sup> Congress of the American Romanian Academy of Arts and Sciences**

**June 3 -5, 2024**

**Sala Senatului, Rectorat**

**National University of Science and Technology,**

**POLITEHNICA Bucuresti**

**313 Splaiul Independentei, sector 6, Bucuresti**



**Monday, June 3, 2024**

**POLITEHNICA Bucuresti**

**Location: Sala Senatului, Rectorat**

**9:00 – 10:00**

**Participants' Registration**

**10:00**

**Congress Opening**

**Prof. univ. dr. habil. Ruxandra VIDU**

President of ARA

**Prof. univ. dr. Mihnea Costoiu**

Rector, POLITEHNICA Bucuresti

**Acad. Ioan Dumitrache**

General Secretary, Romanian Academy

**Prof. univ. dr. Steve O. Michael**

Rector, Danubius University, Galati

**Pr. prof. univ. dr. emerit Ștefan Buchiu**

Vicar eparhial onorific, Romanian Patriarchate

**Dr. Sandra Pralong**

State Adviser

**Prof.univ.dr. Augustin Semenescu**

Congress Chair, POLITEHNICA Bucharest

**10:45-11:00 (coffee break, group photo)**

**Location: Hall, Sala Senatului, Rectorat**



## SESSION 1

**Session Chairs: Ruxandra Vidu**  
**Location: Sala Senatului, Rectorat**

**11:00 – 11:30**

### **Keynote Presentation**

“Enhancing the Romanian Higher Education Comparative Advantage: The Role of the Diasporas”

**Dr. Steve O. Michael, Professor, Rector & CEO, Danubius International University Galati, Romania**

**11:30 – 12:00**

### **Keynote Presentation**

Recent achievements of researchers from the institutes of the Romanian Academy

**Acad. Ioan Dumitrache, Academia Romana, Bucuresti, Romania**

**12:00 – 13:30 Lunch Break**

**Location: Sala Senatului, Rectorat**



## SESSION 2

**Session Chairs: Ileana Nicoleta Popescu**  
**Location: Sala Senatului, Rectorat**

**13:30 – 15:30**

The Romanian exile and its valences. Interdisciplinary perspectives.

**Lucian Dindirică, Lavinia Costinel Lăpadat, Cosmina Mirabela Păunescu, Elena Bălășanu, Mihaela Călinescu, Maria Cristina Gelep, Muzeul Cartii si Exilului Romanesc, Craiova, Romania**

**15:30 – 15:45**

**Coffe Break**

**Location: Hall, Sala Senatului, Rectorat**



**15:45 – 16:00**

Designing Microfluidic Devices for Sensing Applications

**Ileana Nicoleta Popescu**, Faculty of Materials Engineering and Mechanics, Valahia University of Targoviste, Targoviste, Romania.

Badriyah Alhalaili, Nanotechnology and Advanced Materials Program, Kuwait Institute for Scientific Research, Kuwait.

Ruxandra Vidu, Faculty of Materials Science and Engineering, University POLITEHNICA of Bucharest, 060042 Bucharest, Romania.

**16:00 – 16:15**

Advancements in Metal-Oxide Semiconductor Thin Films for Energy Applications

Najoua Kamoun-Turki, Prof., Faculty of Science Tunis, Univ. of Tunis Elmanar, Tunisia

**Ruxandra Vidu, Assoc.Prof.**, POLITEHNICA Bucuresti,

**16:15 – 16:30**

Overview of Multifunctional (Ultra-)Lightweight Materials for a Sustainable Future

**Ileana Nicoleta Popescu**, Faculty of Materials Engineering and Mechanics, Valahia University of Targoviste, Targoviste, Romania.

Badriyah Alhalaili, Nanotechnology and Advanced Materials Program, Kuwait Institute

Ruxandra Vidu, POLITEHNICA of Bucharest, 060042 Bucharest, Romania.

**16:15 – 16:30**

Economic evaluation of efficiency in the health system

**Negruta Ludmila, Raevschi Elena**, State University of Medicine and Pharmacy “Nicolae Testemitanu”, Chisinau, MD-2004, Republic of Moldova.

**16:30 – 17:00**

**Group Discussions**

**TUESDAY JUNE 4, 2024**

**SESSION 3**

**Session Chairs: George Mihalas**

**Location: Sala Senatului, Rectorat**

**10:00 - 10:30**

**Keynote Presentation**

Current Trends in Metallic Orthopedic Biomaterials

**Prof. Iulian Antoniac**, Faculty of Materials Science and Technology, National University of Science and Technology POLITEHNICA Bucharest, Romania.

**10:30 – 11:00**

**Keynote Presentation**

Navigating the Intersection of Technology and Medicine: Perspectives on AI Adoption

**Gheorghe Ioan MIHALAS, Prof.**, Romanian Academy of Medical Sciences, Bucuresti; Victor Babes UMPH, Timisoara; Vasile Goldis Western University, Arad.

**11:00 – 11:15**

Spatial Determinants of Health: Opioid Overdose and Mental Health Outcomes in Harris County, Texas

Nicole Cevallos<sup>1</sup>, Serenity Fanene<sup>1</sup>, Will Chen<sup>1</sup>, Consuelo Walss-Bass<sup>2</sup>, **Gabriela Wilson<sup>1\*</sup>**

<sup>1</sup> Multi-Interprofessional Center for Health Informatics, The University of Texas at Arlington, Arlington, Texas, 76019, USA.

<sup>2</sup> Department of Psychiatry and Behavioral Sciences, The University of Texas Health Science Center at Houston, Houston, Texas, 77225, USA.

**11:15 – 11:30**

**Coffee Break**

**Location: Hall, Sala Senatului, Rectorat**



## SESSION 4

**Session Chairs: Florian Olteanu**

**Location: Sala Senatului, Rectorat**

**11:30 – 11:45**

**Ionut Cojocaru, PhD, Adj.Prof.**, Secția de Științe Istorice și Arheologice,  
Universitatea POLITEHNICA Bucuresti, Romania

**11:45 – 12:00**

Romanian Heroes of the American Civil War

**Florian Olteanu, PhD, Assist.Prof.**, University of Craiova, Faculty of Social Sciences,  
ISPRI Department, Romania

**12:00 – 12:15**

Decentralization as a tool to mitigate ethnopolitical conflicts: the case of the Republic of  
Moldova

**Mihai Roscovan, Conf., PhD ec.**, BCI, USM, Chișinău

**12:15 – 14:00**

**Lunch Break**

**Location: Hall, Sala Senatului, Rectorat**



## SESSION 5

**Session Chairs: Mircea Alexandru Mateescu**

**Location: Sala Senatului, Rectorat**

**14:00 – 14:30**

**Keynote Presentation**

Carboxymethyl-Starch: a new excipient as a platform for pharmaceutical and  
biomedical applications

**Mircea Alexandru Mateescu, Pompilia Ispas-Szabo**

Department of Chemistry, Université du Québec à Montréal, Montreal, Canada

**14:30 – 14:45**

“Innovative Methods in Cranial Surgery”

**Ileana Mates, PhD, Med.Ing.**, Central Military Emergency University Hospital,  
Bucharest, Romania

**14:45 – 15:00**

Trends in Prevalence of Noncommunicable Disease Behavioural Risk Factors in the Republic  
of Moldova

**Raevschi Elena**, Negruta Ludmila

State University of Medicine and Pharmacy “Nicolae Testemitanu”, Chisinau, MD-  
2004, Republic of Moldova.

**15:00 – 15:15**

Senior Associations in the UN Decade (2021-2030): Healthy Aging.

**Dumitru TODOROI**, Prof.univ., Dr. hab., Mem.cor. ARA, Association "ASEM  
Seniors", AESM, Chisinau, Republic of Moldova

**15:15 - 15:30**

Strategies and Concepts for the Elaboration and Selection of the Technical Means of Integrated  
Informatics Systems

**Tudor Stefan Leahu, Ph.D., Ass.Prof.**, Free International University of Moldova

**15.30 – 16.00**

**Coffee Break Location: Hall, Sala Senatului, Rectorat**



*coffee break*

**16.00 – 18.00**

**ARA General Assembly**

**Location: Sala Senatului, Rectorat**

**18:30 – 21.30 ARA Dinner**

**ARA Dinner**

**Restaurant Vanity**



**WEDNESDAY JUNE 5, 2024**

**SESSION 6**

**Session Chairs: Rodica Lupu**

**Location: Sala Senatului, Rectorat**

**10:00 – 12:00**

**Literary Session / Prezentare Literara**

Elena Rodica Lupu

Florica Bud

Amza Gheorghe: Scormonind in lumina - Poezii

Florian Olteanu

Group Discussions: Acad. Dorin Prunariu

**SESSION 7**

**Session Chairs: Ruxandra Vidu**

**Location: Sala Senatului, Rectorat**

**12:00 – POSTER Presentation**

**13:00**

**Congress closing remarks**