

'Sustainability and Innovation'

Smart Cities International Conference (SCIC) 11th Edition,
December 7-8, 2023



PROGRAM

VENUE

The National University of Political Studies and Public Administration (SNSPA)

👆 30A Expoziției Bld., Bucharest

Multifunctional Room, Ground Floor

Online participation: 👆 <https://snspa.webex.com/meet/smarteduhub>



SCIENTIFIC COMMITTEE & REVIEWERS TEAM

Professor Vasile BALTAC

National University of Political Studies and Public Administration, Bucharest

Professor Lasse BERNTZEN

University of South-Eastern Norway

Professor Robert MÜLLER-TÖRÖK

University of Public Administration and Finance Ludwigsburg, Germany

Professor Florina PÎNZARU

National University of Political Studies and Public Administration, Bucharest

Professor Alexander PROSSER

Vienna University of Economics and Business, Vienna, Austria

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Professor Marta-Christina SUCIU

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Polytechnic University of Tirana, Albania

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National University of Political Studies and Public Administration (SNSPA), Bucharest

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Professor **Catalin VRABIE**, President
National University of Political Studies and Public Administration (SNSPA), Bucharest

Professor **Dragoș DINCĂ**
National University of Political Studies and Public Administration (SNSPA), Bucharest



PRE-CONFERENCE SESSION (online)

Monday – December 4, 2023

19.00 PRE-CONFERENCE ON-LINE SOCIAL MEETING

- Link: <https://snspsa.webex.com/meet/smarteduhub>

20.00 Hosts: **Catalin VRABIE**, Conference Chair, National University of Political Studies and Public Administration (SNSPA), Bucharest, Romania
(EET) **Diana - Camelia IANCU**, Dean of the Faculty of Public Administration, National University of Political Studies and Public Administration (SNSPA), Bucharest, Romania





CONFERENCE SESSIONS

Thursday – December 7, 2023

09.30
-
10.00 (EET) SMART CITIES INTERNATIONAL CONFERENCE (SCIC) 2023 REGISTRATION & COFFEE MEETING

10.00 OPENING SESSION: WELCOME ADDRESSES AND KEYNOTE SPEECHES

Room: Multifunctional Room, Ground Floor

11.30 Chairs: Diana - Camelia IANCU
Catalin VRABIE

Remus PRICOPIE, Rector of the National University of Political Studies and Public Administration (SNSPA), Bucharest, Romania

Bogdan-Gruia IVAN, Minister of Research, Innovation and Digitisation, Romania

Mircea SEGĂRCEANU, National Programme Officer, Swiss Contribution Office, Embassy of Switzerland in Romania

Victor NEGRESCU, Vice-chair, Committee on Culture and Education, European Parliament

Maria-Manuela CATRINA, Deputy Director, National Directorate for Cyber Security, Romania

Online participation: <https://snspsa.webex.com/meet/smarterduhub>

11.30
-
12.00 COFFEE BREAK

12.00 KEYNOTE SPEECHES: SUSTAINABILITY AND INNOVATION

Room: Multifunctional Room, Ground Floor

13.30 Chairs: Mihaela CĂRĂUȘAN
Teodora Ioana BIȚOIU

Vasile BALTAC, National University of Political Studies and Public Administration (SNSPA), Bucharest, Romania
The Digital Divide Persists: A Resilience and Complexity Perspective on Smart Cities

Constantin BRĂȚIANU, National University of Political Studies and Public Administration (SNSPA), Bucharest, Romania
Strategic Thinking

Florina PÎNZARU, National University of Political Studies and Public Administration, Bucharest, Romania
Artificial intelligence in strategy

Andy PUȘCĂ, "Danubius" University, Galati, Romania
Electronic person. The civil liability of robots with artificial intelligence

Adrian FLOREA, "Lucian Blaga" University, Sibiu, Romania
Digital green transition - a must for sustainable growth in 5.0 society

Oana-Marciana ÖZMEN, Member of Parliament, Secretary of the Committee for Industries and Services, Chamber of Deputies, Romania
Unified legislative efforts as framework for sustainable smart cities in hydrogen valleys - developing horizontally from law 237/2023

Online participation: <https://snspsa.webex.com/meet/smarterduhub>

13.30
-
14.30 LUNCH BREAK

14.30 PANEL 1.1: SMART GOVERNANCE & TECHNOLOGY

Room: Multifunctional Room, Ground Floor

16.30 Chairs: Crina RĂDULESCU
Gabriel LAZĂR

Adrian-Victor VEVERA, National Institute for Research and Development in Informatics
Ulpiu-Elena BOTEZATU, National Institute for Research and Development in Informatics
Hyperconnected Horizons: Decoding the Digital Sovereignty of European Smart Cities

Rodica Mariana ION, National Institute of Research and Development for Chemistry and Petrochemistry – ICECHIM, Bucharest
Romania Implications of the circular economy for cultural heritage protection in smart cities

Ulpiu-Elena BOTEZATU, Romanian Space Agency, Bucharest, Romania
Space Technologies, Smart Cities, and National Security: A Smart(er) State Synergy

Christian NĂSULEA, University of Bucharest
Diana-Florentina NĂSULEA, Bucharest University of Economic Studies
Artificial Intelligence and Blockchain - Smart Cities at the Intersection of New Technologies

PANEL 1.2: SMART GOVERNANCE & TECHNOLOGY (online)

Link: <https://snspsa.webex.com/meet/smarterduhub>

Chair: Nikola VANGELOV
Catalin VRABIE

Nikola VANGELOV, St. Kliment Ohridski Sofia University, Bulgaria
Digital Advertising in Smart Cities – Methods for Raising Consumer Engagement

Guy WAIZEL, Alexandru Ioan Cuza University of Iasi, Romania
Marketing Insights when Shifting Cybersecurity Technologies to the Cloud or Hybrid Cloud in the Context of Smart Cities

Deepak KUMAR, Asian Development Research Institute, Patna, India
Actual practices of citizen participation in smart cities

Brian FABRÈGUE, University of Zurich, Switzerland
Andrea BOGONI, University of Bergamo, Bergamo, Italy
Assessing Quality of Life in German, French, Italian and Polish Smart Cities: Identifying the Need for Further Development

Ileana CIOBANU, "Elias" University Hospital
Matei TEODORESCU, "Elias" University Hospital
Andreea Georgiana MARIN, "Elias" University Hospital
Mihai Viorel ZAMFIR, "Carol Davila" University of Medicine and Pharmacy
Mihaela ZAMFIR, "Ion Mincu" University of Architecture and Urbanism
Rozeta DRAGHICI, Ana Aslan National Institute of Gerontology and Geriatrics
Alina ILIESCU, "Carol Davila" University of Medicine and Pharmacy
Francesco AGNOLONI, Medea SRL, Florence, Italy
Peiman Alipour SARVARI, Luxembourg Institute of Science and Technology
Jens JOYMANGUL, Luxembourg Institute of Science and Technology (LIST)
Laszlo IRSAY, University of Medicine and Pharmacy "Iuliu Hatieganu"
Mihai BERTEANU, "Carol Davila" University of Medicine and Pharmacy
Romania" Digital divide, smart assistive technologies and ageing people

Răzvan CRĂCIUNESCU, National University of Science and Technology POLITEHNICA
National Competence Centre and solutions for the development of Climate Neutral and Smart Cities - NetZeRoCities

Alina IORGA PISICA, The Bucharest University of Economic Studies
Tudor EDU, Romanian American University
Rodica Milena ZAHARIA, The Bucharest University of Economic Studies
Razvan ZAHARIA, The Bucharest University of Economic Studies
Bucharest Romania Implementing Artificial Intelligence in Higher Education: Pros and Cons from the Perspectives of Academics

Costel CIUCHI, National University of Science and Technology POLITEHNICA
Ana-Maria DINCĂ, National University of Science and Technology POLITEHNICA
Alin BONCIU, National University of Science and Technology POLITEHNICA
Mihai STOIAN, National University of Science and Technology POLITEHNICA
Romania Challenges and opportunities in designing data structures for a smart city

Claudiu CODREANU, Romanian Diplomatic Institute
Securing digitalization in the age of AI. Cybersecurity for the Internet of Things

Florentina PANĂ-MICU, National University of Political Studies and Public Administration
Graph theory in optimizing urban infrastructure networks in a smart city

Vlad STOICESCU, Bucharest University of Economic Studies
Catalin VRABIE, National University of Political Studies and Public Administration
Teodora BIȚOIU, National University of Political Studies and Public Administration
Energy ecosystems layered over hydrogen valleys for sustainable smart communities

Emil DINGA, Romanian Academy, Bucharest, Romania
Towards an Evolutionary Economic Theory

Ina VIRTOSU, University of Macau, Macau, China
Chen LI, Southwest University of Science and Technology,
Smart life and sustainable development: a comparative analysis on energy and water efficiency in China and the EU

Deddy S BRATAKUSUMAH, Universitas Esa Unggul, Jakarta, Indonesia
Smart Governance Concept in Indonesia

Irina-Ana DROBOT, Technical University of Civil Engineering, Bucharest
Towards a Smart Democracy: Increased Trust in Political Leaders

Taheer YASEEN, University of Public Service, Budapest, Hungary
Activating The Role of E-Governance in Combating Corruption in Iraq-The Challenges and Opportunities

Anne GACICHEVICI, Alexandria City Hall, Alexandria, Romania
Revitalisation of the Public Spaces in the former Military Campus in the city of Alexandria

Boban DAVIDOVIC, Faculty of Organizational Sciences, Belgrade, Serbia
Sanja DEJANOVIC, Faculty of Organizational Sciences, Belgrade, Serbia
Maja DAVIDOVIC, Faculty of Information Technology, Belgrade, Serbia
A Crowdsensing-Based Framework for Sound and Vibration Data Analysis in Smart Urban Environments

Gerild QORDJA, Mediterranean University of Albania
Dolantina HYKA, Mediterranean University of Albania
The benefits of using IPA in relation to RPA for the cryptocurrency sector, in making decisions on their sale and purchase in the stock market.

16.30
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17.00
COFFEE BREAK

17.00 **PANEL 2.1: SMART PEOPLE & MOBILITY**
19.00 **Room: Multifunctional Room, Ground Floor**
Chairs: Diana - Camelia IANCU
Gabriel LAZĂR

Dan Florin STĂNESCU, National University of Political Studies and Public Administration
Marius Constantin ROMAȘCANU, National University of Political Studies and Public Administration
The role of Uses and Gratification Theory and Technology Acceptance Model in the adoption and usage of wearable technology

Monica-Mihaela FRANGULEA, "Ion Mincu" University of Architecture and Urbanism
Iulia TOADER, "Ion Mincu" University of Architecture and Urbanism
Industrial Afterlife: A Tale of Three Cities

Mihaela ZAMFIR, "Ion Mincu" University of Architecture and Urbanism
Ileana CIOBANU, "Elias" University Emergency Hospital
Andreea Georgiana MARIN, "Elias" University Emergency Hospital
Mihai-Viorel ZAMFIR, "Carol Davila" University of Medicine and Pharmacy
Collective housing for seniors in Romania, in a paradigm of active and healthy ageing in community -from smart adaptation to architectural and design innovations

Sergiu TUTUNARU, Academy of Economic Studies of Moldova
Anatolie BABIN, Academy of Economic Studies of Moldova
Ion COVALENCO, Academy of Economic Studies of Moldova
Regional innovative schemes of the educational capacity building for the smart specialization in the human settlements in the republic of Moldova

Cristiana SÎRBU, University of Agricultural Sciences and Veterinary Medicine
Natural disaster and measures needed to reduce them

PANEL 2.2: SMART PEOPLE & MOBILITY (online)
Link: <https://snsps.webex.com/meet/smarterduhub>
Chair: Mauro ROMANELLI
Catalin VRABIE

Emil DINGA, Romanian Academy, Bucharest, Romania
Ordoliberalism as Theory of Smart Governance

Nicoleta TOPÎRCEANU, National University of Political Studies and Public Administration
Mainstreaming New European Bauhaus for green innovation transformation in Romanian Regions – insights into South Muntenia Region

Ana-Iolanda VODĂ, Alexandru Ioan Cuza University of Iași, Romania
Dana-Claudia COJOCARU, Alexandru Ioan Cuza University of Iași, Romania
Trust and Security in the Digital Environment. Where is Iasi City heading?

Zola Innocentia MANTENTA, North-West University, Johannesburg, South Africa
School nutrition programme as a tool for job creation

Ramsey ATA, The Arab American University, Ramallah, Palestine
Diagnosing the Social Inclusion Strategies for the Disabled Students at the Palestinian Higher Education Institutions

Cristina ȘICLOVAN, National Health Insurance House, Romania
The role of National Health Insurance House in the digitization of the health system, a condition for smart city



Adriana MĂLUREANU, Ascendia SA
Raluca BOLOCAN, Ascendia SA
Gabriel LAZĂR, Ascendia SA
National Library of Digital Education Resources (EduLib). An inside story

Nicoleta CAPBUN, Beia Consult International
George SUCIU, Beia Consult International
Challenge and Innovation in Modal Freight Transport

Anatolie BABIN, Academy of economic studies of Moldova
Elena PRUS, Free International University of Moldova
Elena MARGINEANU, Free International University of Moldova
Access to the European cultural heritage of settlements and towns in the Danube macro-region through interoperable strategies digital transformation

Ioana-Maria URSACHE, Alexandru Ioan Cuza University of Iasi
Mădălina-Ioana PETREA, Alexandru Ioan Cuza University of Iasi
How Research and Development spending shapes societal welfare and sustainability metrics in Europe

Ioana Andreea DOGEANU, National University of Political Studies and Public Administration
Smart and Empathetic: The Dual Imperatives of Effective Political Leadership

Luminita MOVANU, National University of Political Studies and Public Administration
Sustainable social change. Findings and perspectives in the public sector

Raluca-Ioana TOMESCU, National University of Political Studies and Public Administration
The importance of technology in the Romanian educational system

Ehtiman NURALIZADE, University of Public Service, Budapest, Hungary
The Impact of Centralization on Educational Innovation: A Comparative Study

Christian SCHACHTNER, RheinMain University of Applied Sciences
Nadine BAUMANN, RheinMain University of Applied Sciences, Wiesbaden, Germany
Accompanying study of the development process towards a smart city strategy - with a particular focus on social change

Osman Mohammed AFZAL, University of Public Service, Budapest, Hungary
The Political System failure and lack of governance in Afghanistan

Akhmad Yusuf ZUHDY, Sepuluh Nopember Institute of Technology, Surabaya, Indonesia

Totok SOEHARTANTO, Sepuluh Nopember Institute of Technology, Surabaya, Indonesia

Ifarrel Rachmanda HARIYANTO, Sepuluh Nopember Institute of Technology, Surabaya, Indonesia
Implementation of green communication in the city of Surabaya to build a clean and sustainable environment

Mauro ROMANELLI, University of Naples Parthenope, Naples, Italy
Cities and responsible consumption in transition

Cristina LEOVARIDIS, National University of Political Studies and Public Administration

Florin-Domnel GRAFU, ROMATSA
Organisational design patterns in the European aviation sector and their effects on employees' working conditions

19.00

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DINNER

20.00





Friday – December 8, 2023

10.00 **PLENARY SESSION: SMART LIVING**
- **Room: Multifunctional Room, Ground Floor**
11.00 **Chairs: Diana - Camelia IANCU**
(EET) **Catalin VRABIE**

Mihaela V. CĂRĂUȘAN, National University of Political Studies and Public Administration, Bucharest, Romania
The Readiness for Implementation of the Return Guarantee System

Levente DIMEN, "1 Decembrie 1918" University of Alba Iulia, Romania
Urban green areas from a severe weather safety perspective

Miruna-Elena ILIESCU, National University of Political Studies and Public Administration
Educational needs in green education: a survey-based exploration among Romanian students

Andrei DĂNILĂ, Beia Consult International
Robert-Alexandru STRECHE, Beia Consult International
Filip-Emanuel OSIAC, Beia Consult International
Andrei-Mihai STEREA, Beia Consult International
Cristina DOBRE, Beia Consult International
George SUCIU, Beia Consult International
IoT Systems for Efficient Preservation of Cultural Heritage

Alexandru SIROMASCENKO, Ingenios
Cosmin POPA, Ingenios
Corina DIMA, „Dunarea de Jos” University of Galati
Romania Smart public transit insights

Lasse BERNTZEN, University of South-Eastern Norway
Claudiu ISĂRIE, University "Lucian Blaga" of Sibiu
Renewable energy and energy efficiency for sustainable development in Sibiu County

Dave BLAKE, Edith Cowan University, Perth, Australia
Proximal and Remote Sensing of the Environment

Online participation: <https://snspsa.webex.com/meet/smarterduhub>

11.00
- **COFFEE BREAK**
11.30

11.30 **PANEL 3.1: FUTURE TRENDS - SMART(ER) STATE**
- **Room: Multifunctional Room, Ground Floor**
12.30 **Chairs: Crina RĂDULESCU**
Lasse BERNTZEN

Lasse BERNTZEN, University of South-Eastern Norway
Blockchain in the Smart City

Constantin IONIȚĂ, "Carol I" National Defence University, Bucharest
Smart Military Bases - A Future Trend for Smarter States

Oana Maria CONSTANTIN, National University of Political Studies and Public Administration
Transforming social innovation and urban development: The Integration of Smart Kindergarten in Business and Residential Parks

Dragoș C.-L. PREDA, Minister State Secretary for Telco
Delia-Raluca ȘANCARIUC, Bucharest University of Economic Studies
Energy as a Service – smart commodity

Cătălina FRÂNCU, National University of Political Studies and Public Administration
Citizenship and Public Space. A Gender Perspective

PANEL 3.2: FUTURE TRENDS - SMART(ER) STATE (online)
Link: <https://snspsa.webex.com/meet/smarterduhub>
Chair: Catalin VRABIE

Robert MÜLLER-TÖRÖK, University of Public Administration and Finance, Ludwigsburg, Germany
Alexander PROSSER, University of Economics and Business, Vienna, Austria
Sven SROKA, University of Public Administration and Finance, Ludwigsburg
The digital (il)literacy of local and regional politicians and civil servants – An analysis based on recent data from Romania

Mihai-Adrian LUNGU, Academy of Economic Studies, Bucharest, Romania
Smart Parking Solutions: A Comparative Study of Parking Space Subleasing Models in Smart Cities

Gabriela MARCHIS, Danubius University, Galati, Romania
Employing AI in regional development: the need for a strategic approach

Oliana SULA, University "Aleksandër Moisiu", Durrës, Albania
Empowering collective intelligence of young people in smart cities in small developing countries in Europe

Eduardo MARTÍNEZ GIL, NTT DATA, Barcelona, Spain
Arturo Corbi VALLEJO, NTT DATA, Madrid, Spain
Account Based Ticketing (ABT) Integration for Seamless Multi-Modal Transport Systems in Smart Cities

12.30 **BEST PAPER CEREMONY AWARDS**
- **Room: Multifunctional Room, Ground Floor**

13.00 **CLOSING CEREMONY OF THE SMART CITIES INTERNATIONAL CONFERENCE (SCIC) "SUSTAINABILITY AND INNOVATION" 2023**
Room: Multifunctional Room, Ground Floor

Online participation: <https://snspsa.webex.com/meet/smarterduhub>

13.00
- **LUNCH**
14.00

14.00
- **GUIDED TOUR: Palace of the Parliament. Contact the organisers for joining**
18.00