

# Smart Diaspora 2023

www.diaspora-stiintifica.ro

10 - 13 Aprilie 2023,  
 Timișoara

Eveniment aflat sub înaltul patronaj al  
 Președintelui României



## Program Workshop Abordări orientate către om pentru Inteligență Artificială de încredere (Trust-AI)

### Coordonatori Workshop

Florea Adina Magda, University POLITEHNICA of Bucharest, Romania  
 Negru Viorel, West University of Timișoara Romania, ICAM-UVT  
 Cristea Alexandra, University of Durham, UK  
 Timofte Radu, University of Würzburg, Germany, and ETH Zürich, Switzerland  
 Manta Vasile, University "Gh. Asachi" Iași, Romania  
 Nedevschi Sergiu, Technical University of Cluj-Napoca, Romania  
 Leordeanu Marius, Institute of Mathematics of the Romanian Academy, Romania  
 Sorici Alexandru, Romanian Association of Artificial Intelligence

### Reprezentant ATU

Micota Flavia, West University of Timișoara Romania

Detalii workshop: <https://www.info.uvt.ro/trust-ai>

**Marți, 11 Aprilie 2023**

8:30 - 9:00	<b>Înregistrare participanților</b> (UVT, Blv. V. Pârvan nr. 4, sală 048)
9.00 - 10.30	<p><b>Sesiunea 1</b> (UVT, Blv. V. Pârvan nr. 4, sală 048)                      Chair: <b>Florea Adina Magda</b>, University POLITEHNICA of Bucharest, Romania</p> <p><b>Timofte Radu</b>, Professor, Chair for Computer Vision, University of Würzburg, Germany, and ETH Zürich, Switzerland  <i>Advances in Mobile AI and Computational Photography</i></p> <p><b>Caragea Cornelia</b>, Professor, Computer Science Dept, University of Illinois at Chicago, USA  <i>On the Calibration of Deep Learning Models to Improve Trustworthy AI</i></p> <p><b>Bulat Adrian</b>, Research Scientist, Samsung AI Cambridge, UK and "Gheorghe Asachi" Technical University of Iași, Romania  <i>Efficient vision-language learning</i></p>
10.30 - 11.00	Pauză de cafea

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## Marti, 11 Aprilie 2023

11.00 - 12.30	<p><b>Sesiunea 2</b> (UVT, Blv. V. Pârvan nr. 4, sală 048) Chair: <a href="#">Timofte Radu</a>, University of Würzburg, Germany, and ETH Zürich, Switzerland</p> <p><a href="#">Vasilescu M. Alex O.</a>, Chief Science Officer, Tensor Vision Technologies, USA <i>Causality for Trustworthy AI</i></p> <p><a href="#">Mocanu Decebal Constantin</a>, Associate Professor, University of Luxembourg, Luxembourg <i>Dynamic Sparse Training: challenges and opportunities towards scalable, efficient, and sustainable AI</i></p> <p><a href="#">Trăușan-Matu Ștefan</a>, Professor, University POLITEHNICA of Bucharest, Romania <i>An Interdisciplinary Standpoint on Trustworthy Natural Language Processing</i></p> <p><a href="#">Leon Florin</a>, Professor, "Gheorghe Asachi" Technical University of Iași Romania <i>Artificial Intelligence Applications: Machine Learning, Optimization Algorithms, Multi-agent Systems and Autonomous Driving</i></p>
12.30 - 14.00	Prânz
14.00 - 15.30	<p><b>Sesiunea 3</b> (UVT, Blv. V. Pârvan nr. 4, sală 048) Chair: <a href="#">Manta Vasile</a>, Technical University "Gheorghe Asachi" of Iași, Romania</p> <p><a href="#">Voiculescu Irina</a>, Associate Professor, University of Oxford, UK <i>How good is good enough? What measurements and methods are useful in various clinical imaging contexts, and how to evaluate imaging algorithm performance</i></p> <p><a href="#">Sorici Alexandru</a>, Associate Professor, University POLITEHNICA of Bucharest, Romania <i>Developing AI Toolkits for the Remote Monitoring of Patients with PD, MS and Stroke</i></p> <p><a href="#">Groza Adrian</a>, Professor, Computer Science Dept, Technical University of Cluj-Napoca, Romania <i>Interleaving machine learning with reasoning for identifying retinal conditions</i></p> <p><a href="#">Țurcanu Dinu</a>, Professor, Vice-Rector, Technical University of Moldova, Moldova <i>Artificial Intelligence in the Medical Domain</i></p>
15.30 - 16.00	Pauză de cafea
16.00 - 17.30	<p><b>Sesiunea 4</b> (UVT, Blv. V. Pârvan nr. 4, sală 048) Chair: <a href="#">Micota Flavia</a>, West University of Timișoara, Romania</p> <p><a href="#">Leordeanu Marius</a>, Professor, University POLITEHNICA of Bucharest and Institute of Mathematics of the Romanian Academy, Romania <i>Closer to the Truth: Unsupervised Learning by finding Consensus among Multiple World Interpretations</i></p> <p><a href="#">Burceanu Elena</a>, Scientist, Bitdefender, Romania <i>Out-of-distribution Generalization and Robustness of Deep Learning Models, Unsupervised Learning, Object Tracking and Segmentation in Video</i></p> <p><a href="#">Istrate Gabriel</a>, Professor, leAT Institute Timișoara, University of București <i>Inteligența Artificială de încredere are nevoie de teoria jocurilor</i></p>

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## Marți, 11 Aprilie 2023

17.30 - 19.30	Discuții cu doctoranzii în jurul posterelor
19.30 -	Cină și eveniment de networking în cadrul Workshop-ului

## Miercuri, 12 Aprilie 2023

9.00 - 10.30	<p><b>Sesiunea 5</b> (UVT, Blv. V. Pârvan nr. 4, sală 048) Chair: <a href="#">Leordeanu Marius</a>, University POLITEHNICA of Bucharest and Institute of Mathematics of the Romanian Academy, România</p> <p><a href="#">Soviany Cristina</a>, CEO / Head of R&amp;D, Features Analytics SA, Belgium <i>AI based industry applications: A journey from cancer detection to market abuse detection</i></p> <p><a href="#">Andrei Costin</a>, Senior lecturer, Assistant Professor, Faculty of Information Technology, Univ Jyväskylä, Finland <i>Cybersecurity &amp; AI</i></p> <p><a href="#">Onchiș Darian</a>, Associate Professor, Computer Science Dept., West University of Timișoara, Romania <i>Explainability-driven model improvement for fault diagnosis trustworthiness</i></p> <p><a href="#">Florea Adina Magda</a>, Professor, University POLITEHNICA of Bucharest, Romania <i>User trust in ambient assisted living systems</i></p>
10.30 - 11.00	Pauză de cafea
11.00 - 12.30	<p><b>Sesiunea 6</b> (UVT, Blv. V. Pârvan nr. 4, sală 048) Chair: <a href="#">Negru Viorel</a>, West University of Timișoara, Romania</p> <p><a href="#">Miron Marius</a>, Senior AI Research Scientist, Earth Species Project, Pompeu Fabra University, Spain <i>Fairness and interpretability of ML</i></p> <p><a href="#">Ciortea Andrei</a>, Assistant Professor, School of Computer Science, University of St.Gallen, Switzerland <i>Hypermedia Multi-Agent Systems: Weaving a Web for People and Artificial Agents</i></p> <p><a href="#">Cristea Alexandra</a>, Professor, University of Durham, UK <i>Bias in AI</i></p> <p><a href="#">Cristea Dan</a>, Professor, Iași branch of the Romanian Academy - Institute of Computer Science, Romania <i>Bringing the Old Writings More Near Us: Deep Learning in Deciphering Cyrillic-Romanian</i></p>
12.30 - 14.00	Prânz

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## Miercuri, 12 Aprilie 2023

14.00 - 16.00	<p><b>Sesiunea 7</b> (UVT, Blv. V. Pârvan nr. 4, sală 048) Chair: <i>Florea Adina Magda</i>, University POLITEHNICA of Bucharest, Romania</p> <p>Dezbatere: „<i>Challenges in Achieving Trustworthy AI in Romania</i>”</p> <p>Trust-AI Workshop Conclusions: „<i>A Look to the Future</i>”</p>
19.30 -	Gala Dinner (KRAFT – Centrul Regional de Afaceri, Blvd. Eroilor de la Tisa nr. 22)

## Joi, 13 Aprilie 2023

9.00 - 10.30	Workshop-uri exploratorii. Prezentare concluzii (Aula Magna, UVT)
10.30 - 11.00	Pauză de cafea
11.00 - 12.30	Sesiune transversală. Prezentarea concluziilor referitoare la viziunea și obiectivele de țară privind cercetarea, dezvoltarea și inovarea în România: concluzii, aspirații și direcții de acțiune (Aula Magna, UVT)
13.00 - 19.00	Masă tradițională românească. Tradiții din Banat (Cramele Recaș)