POLITEHNICA București

● 15 Schools offering BSc., MSc. and PhD. programs in 17 domains of Engineering and Science - Bucharest

● 5 Schools with programmes in Social Sciences – Pitești

● The most prestigious technical university in Romania, with over 28,000 students and 200 years of history
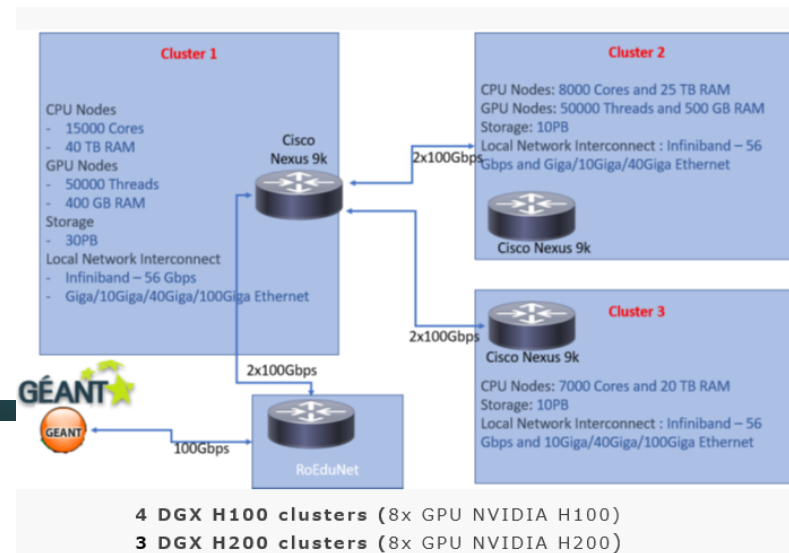
● 3500 staff, 1500 academics

● The most important research unit in the region, with outputs towards the private sector

POLITEHNICA București

- 2 big *research units*, CAMPUS and PRECIS research institutes, supported by a large *Data Center*

- In Horizon 2020 UPB *ranked 1st* in Romania in terms of the number and financing of competitive grants

- UPB is responsible for around **20%** of the total number of the country publications indexed by WoS

- UPB has cooperation agreements with over *200 economic and social partners*, having a relevant contribution to the economic and social development

- UPB has an *Innovation and Tech Transfer Center* to support staff and students' RDI activities

UPB Data Center

Cluster 1

CPU Nodes
- 15000 Cores
- 40 TB RAM
GPU Nodes
- 50000 Threads
- 400 GB RAM
Storage
- 30PB
Local Network Interconnect
- Infiniband – 56 Gbps
- Giga/10Giga/40Giga/100Giga Ethernet

Cisco Nexus 9k

Cluster 2

CPU Nodes: 8000 Cores and 25 TB RAM
GPU Nodes: 50000 Threads and 500 GB RAM
Storage: 10PB
Local Network Interconnect : Infiniband – 56 Gbps and Giga/10Giga/40Giga Ethernet

Cisco Nexus 9k

Cluster 3

Cisco Nexus 9k

CPU Nodes: 7000 Cores and 20 TB RAM
Storage: 10PB
Local Network Interconnect : Infiniband – 56 Gbps and 10Giga/40Giga/100Giga Ethernet

GÉANT
GEANT

2x100Gbps
2x100Gbps
2x100Gbps
100Gbps

RoEduNet

4 DGX H100 clusters (8x GPU NVIDIA H100)
3 DGX H200 clusters (8x GPU NVIDIA H200)
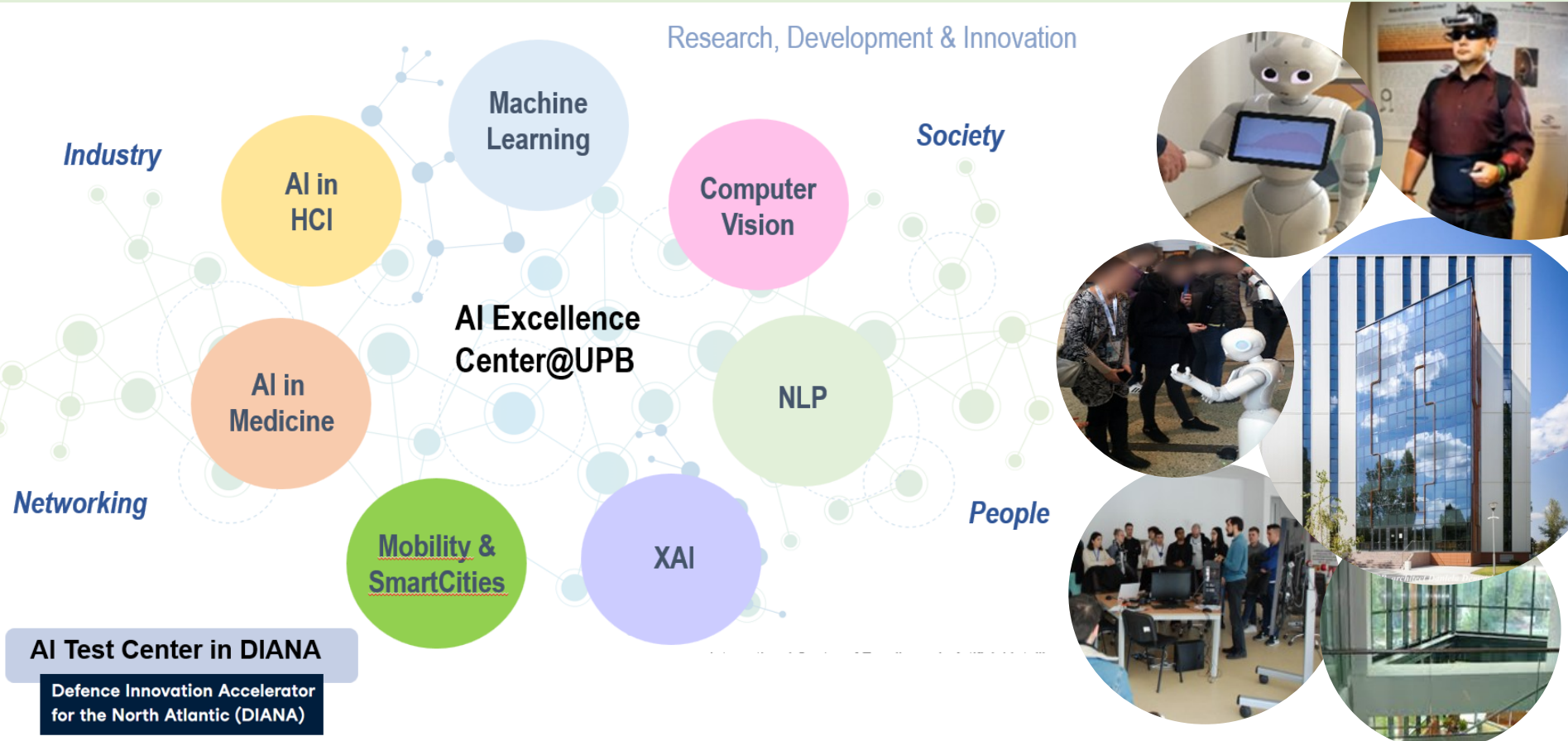
POLITEHNICA București

- **Aula Magna**

- **Central Library**

Center of Excellence in Artificial Intelligence of UPB

Artificial Intelligence and Multi-Agent Systems Laboratory

AI-MAS

Prof. Adina Magda Florea

Prof. Irina Mocanu

Assoc. Prof. Andrei Olaru

Lect. Alexandru Sorici

Lect. Mihai Trăscău

Lect. Mihai Nan

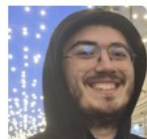Researcher Alex Awada

Lect. Stefania Ghita

Lect. Dan Novischi

Lect. David Iancu

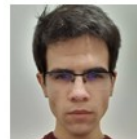PhD Cand. Ana Maria Somion

PhD Cand. Catalin Chiru

PhD Cand. Andrei Dugaesescu

PhD Cand. Vlad Florea

PhD and. Florin Dumitrescu

PhD Cand. Andrei Mihalea

Founding member of

ARIA

ASOCIAȚIA ROMÂNĂ PENTRU INTELIGENȚĂ ARTIFICIALĂ

Member of

EurAi

Selected events

ReFIA — Opportunités et défis de l'Intelligence artificielle générative pour l'enseignement supérieur – webinaire 2025
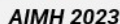
ENFIELD — ENFIELD Webinar 2024 – Exploring AI Technologies from Ethics to Trust

ML@AIMAS — Machine Learning Summer School 2025

AAI Med 2023 - Applications of Artificial Intelligence in Medicine Interdisciplinary Workshop

AIMH 2023 — International Workshop on Artificial Intelligence in Medicine & Healthcare

https://aimas.cs.pub.ro/

HUB Român de Inteligență Artificială

Cod SMIS 2021- 334906
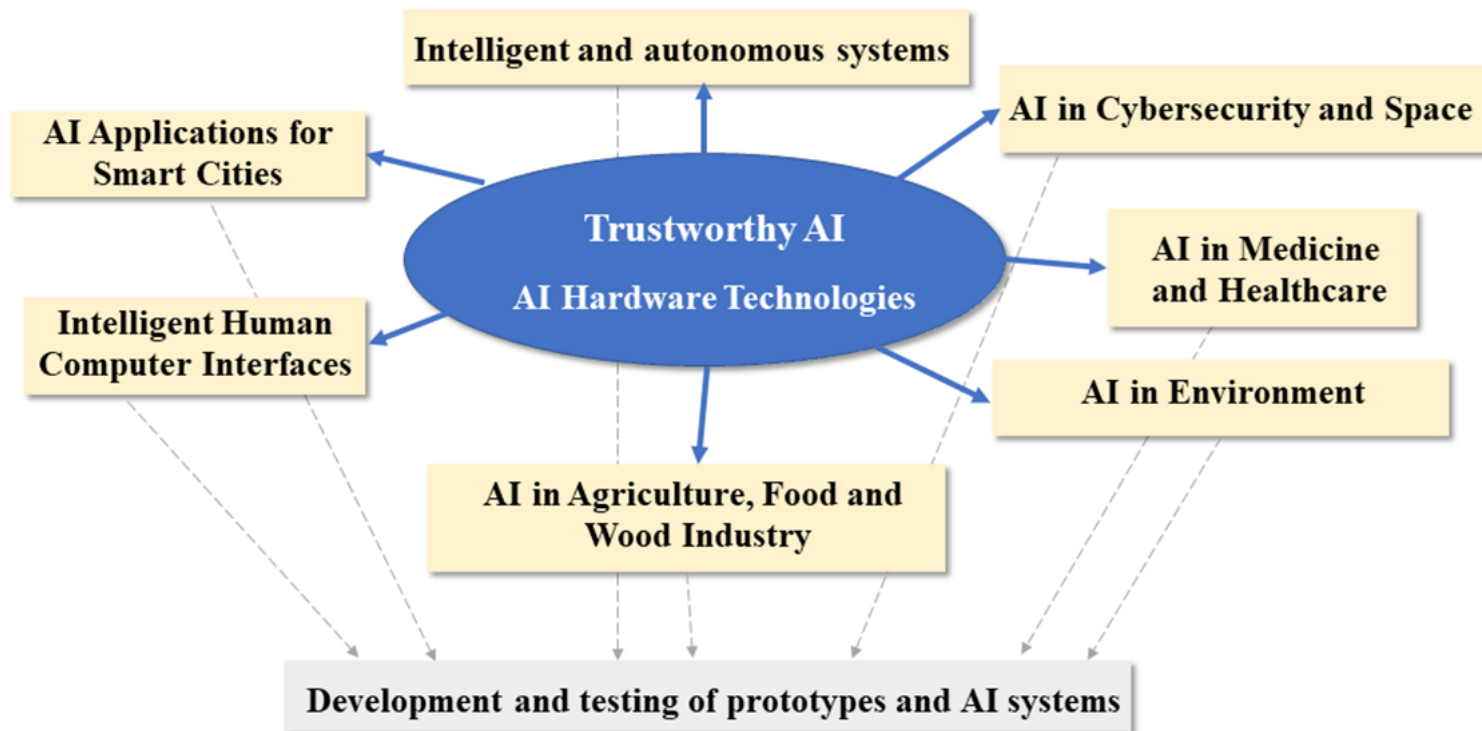
Aflați mai multe despre HRIA

Romanian Hub for Artificial Intelligence

Project in the framework of "Smart Growth, Digitalization and Financial Instruments Program" (PoCIDIF), Duration: 2025-2029, €65M

15 partners: 7 universities and 8 SMEs, Consortium leader: Center of Excellence in AI of POLITEHNICA

An **attractive and competitive research ecosystem** that brings together the efforts of academia and the economic sector, with the goal of stimulating **cutting-edge scientific creation**, developing **new products and services**, **transferring research results to industry and society**, integrated into the European Research Area
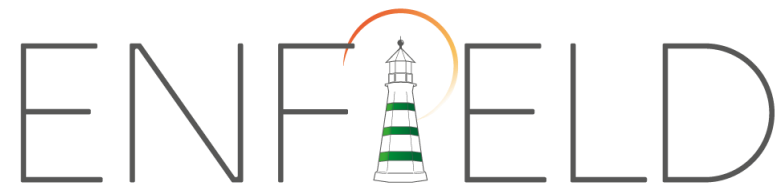
RDI Tracks of HRIA

KPIs

- 100 full time researchers working for HRIA
- Over 360 high-impact scientific publications
- Over 35 patent applications, national and international
- Over 70 new technologies, demonstrators, and scientific reports
- Over 21 prototypes, pilot projects, services, and applications

- Equipment of over 12 mil Euro
- 30 cooperation agreements with other entities from Romania
- 18 international cooperation agreements
- 14 project proposals submitted under Horizon Europe and other international competitions
- 25 workshops organized by the consortium

https://hria.upb.ro/

HC-AIWorkshop Programme

10:05 - 10:20	Cecile Huet	EUROPEAN AI OFFICE - DG CNECT Head of Unit "Excellence in AI & Robotics"	Opening remarks
10:20-10:50	Gregor Baer	Eindhoven University of Technology	Evaluating Evaluation Methods: Class-Dependent Effects in XAI Metrics
10:50-11:20	Sebastian Heil, Xavier Carpent, Steven Furnell	Chemnitz University of Technology, The University of Nottingham	A Vignette-based Investigation of User Trust in AI
11:20-11:40 *Coffee break*			
11:40-12:10	Jules Leguy	Institut Mines-Télécom	A Protocol to Study the Impact of XAI on the Performance of AI-assisted Decision Making
12:10-12:40	Alexandru Sorici	POLITEHNICA Bucharest	Experience-based Agent Communities in Support of Smart Environment Hypermedia MAS
12:40-13:40 *Lunch*			

13:40-14:10	Vassilis Voulgarakis	Okys LTD, HumAIne Project	Human-in-the-Loop AI for Trustworthy Decision Support: Insights from the HumAIne Pilots
14:10-14:40	Mihai Nan, Cătălin Mihail Chiru	POLITEHNICA Bucharest	Explaining Human Action Recognition
14:40-15:10	Darian Onchiș, Codruța Istin	West University of Timișoara	From Explanation to Unsupervised Segmentation: Fusion of Multiple Explanation Maps for Vision Transformers
15:10-15:30 *Coffee break*			
15:30-16:15	Astik Samal, Alberto Casanova	Maggioli S.p.A.	Policy Recommendations for Human-Centric AI
16:15-17:00	All participants	Open Debate	The Future of Human-Centric AI: ENFIELD Perspectives

THANK YOU