EUROPEAN BIG DATA VALUE FORUM
2024 | BUDAPEST, HUNGARY

Welcome statements from the organisers and collaboration partners

Laure Le Bars
Research project Director at SAP BDVA VP

Edina Nemeth
National Contact Point at Horizon Europe

András Benczúr
Head, Artificial Intellgence Laboratory at SZTAKI

Ferenc Kása
Professional Diplomat for AI & DATA at Neumann Ltd

FImre Hamar
Vice-Rector for International Affairs at Eötvös Loránd University

ORGANISED BY
BDV BIG DATA VALUE ASSOCIATION

IN COLLABORATION WITH
European Commission · ELTE EÖTVÖS LORÁND UNIVERSITY · IDEAL-IST · NTP Neumann Technológiai Platform · HUN REN SZTAKI · AI & AUT EXPO

Ideal-ist

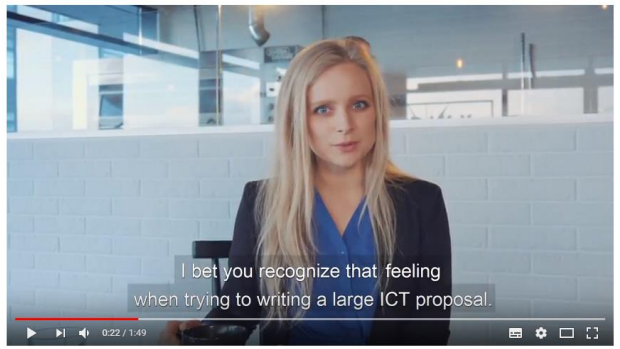
Network of National Contact Points

2-4 October 2024

Edina Nemeth
Hungary

IDEAL-IST
www.ideal-ist.eu
Your Worldwide ICT Support Network

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101070043



Ideal ist Promotional Video
https://www.youtube.com/watch?v=zIdtz1yLKrE

Made up individuals with lots of experience to help you!

Ideal-ist has been active since 1996!

Who we are?

from 48+ countries!

Albania Argentina Armenia Austria Azerbaijan Belarus Belgium -Brussels Belgium -Federal Belgium -Flanders Belgium -Wallonia Bolivia Bulgaria Canada Croatia Cyprus Czech Republic Denmark Dominican Republic Estonia Faroe Islands Finland France Georgia Greece Guatemala Hungary Iceland Ireland Israel Italy Latvia Lithuania Luxembourg Macedonia Malta Mexico Moldova Netherlands Norway Poland Portugal Romania Serbia Slovakia Slovenia Spain Sweden Switzerland Tunisia Turkey Uganda Ukraine United Kingdom

IDEAL-IST
GA No 831620

Ideal-ist Services

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Fantastic services!

Partner match/search

Trainings, Seminars & Webinars

Brokerage events

Toolbox for proposers

IDEAL-IST

Full proposal check
&
Project idea check

Personalised weekly notification

Topic Tree

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Ideal-ist Topic Tree

How are call topics linked?

How have these areas evolved over the years?

What is the new focus this year?

http://www.ideal-ist.eu/topic-tree

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Project Idea Check

Have a project idea? Get early feedback

from experienced National Contact Points

Ideal-ist National Contact Points (NCPs) will be available at the Face2Face area to review your project ideas. Discuss discretely with NCPs whether your idea fits the call topic you chose. Or get help to find another meeting.

When: By appointment
Where: Online

Have an idea? for a project

Have a topic? where you think it will fit

Hear more about the topic! at the information session

Speak one-on-one with an NCP to discover if your idea fits

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Ideal-ist

Full Proposal Check

1 Month Before Deadlines…

https://idealist2024.proposalcheck.eu/

Find us

www.ideal-ist.eu

twitter.com/ICT_IDEALIST

www.linkedin.com/in/idealistictproject

We're also on Youtube!

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Our Benefit

Supporting Applicants Together

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The Artificial Intelligence National Laboratory welcomes EBDVF participants

Main goals

- High impact basic and applied research
- Networking, unified external relations, international projects, Horizon Europe
- High risk and high societal value research
- Coordination for market and application needs, demonstrations, conferences

Research topics

- Foundations of AI and ML
- Machine vision, perception
- Sensors, IoT, telecommunications
- Healthcare, medical applications
- Natural language processing
- Privacy, security

- **Institute for Computer Science and Control (SZTAKI, coordinator)**
- Rényi Institute of Mathematics
- Budapest University of Technology and Economics
- Eötvös University Budapest
- Semmelweis University of Medicine
- University of Szeged
- University of Győr
- Institute of Experimental Medicine
- Centre for Social Sciences
- Special Service for National Security

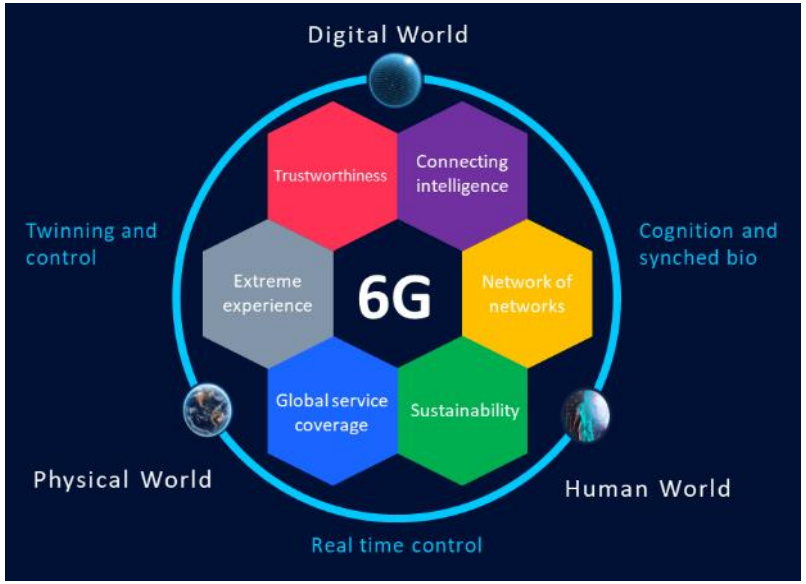
https://milab.hu/

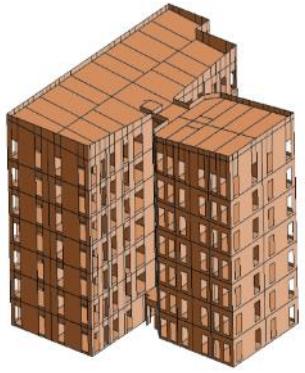
ARTIFICIAL INTELLIGENCE National Laboratory

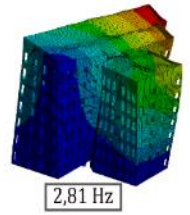
Supported by the European Union project RRF-2.3.1-21-2022-00004 within the framework of the Artificial Intelligence National Laboratory Program

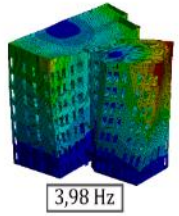
HUN-REN SZTAKI selected projects

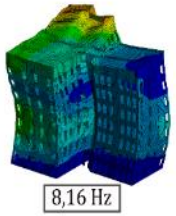
- **Ericsson**: Big Data software systems; Machine learning for mobile radio quality
- **Audi**: Data driven modeling and root cause analysis in manufacturing
- **MAVIR**: electric network optimization
- **Buildchain**: Building Information Management systems
- **Faradai**: European Defence Fund project for machine learning in defence domain
- **Hexa-X**: Beyond 5G mobile radio flagship

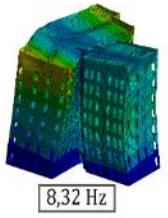










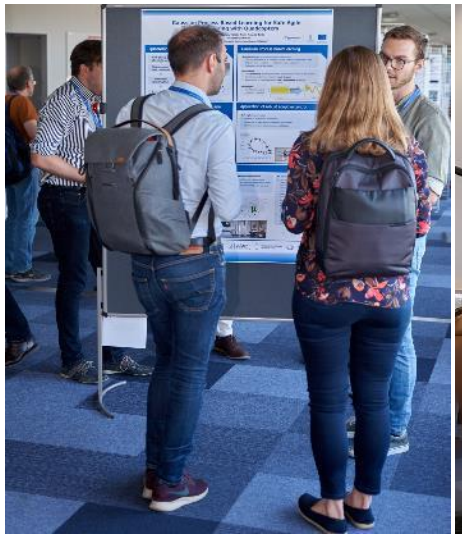


AI National Lab 2020-24	
Industry contract value	EUR 5 M
International projects submitted (n)	116
International projects funded (n)	42
International project HU funding (M EUR)	EUR 10 M
HU top10% researchers	68
PhD students	134
Top tier publications	160

ERICSSON Audi Hungaria MAVIR BUILDCHAIN Hexa-X FaRADAI Frugal Robust Advanced Intelligence HUN REN SZTAKI

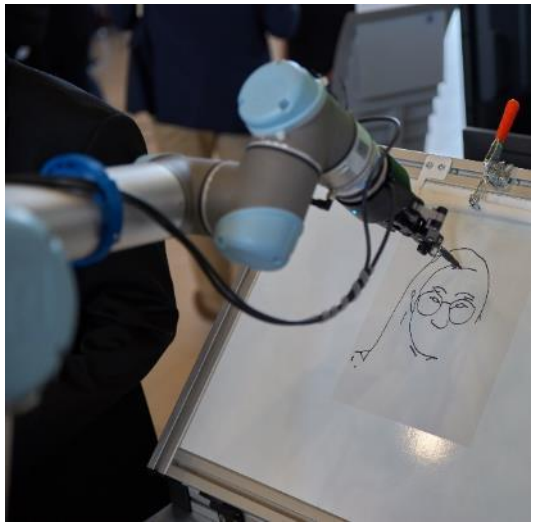
Community building

Hungarian Machine Learning Gathering



Selected best ML researchers of Hungarian origin (Szepesvári, Neu, Huszár, …) **in Budapest every August**:
Cambridge, Carnegie Mellon, Google, Yahoo, DeepMind, Huawei, Warwick, …

Visit our demos



AI & AUT EXPO

14-15 February 2023

https://milab.hu/

ARTIFICIAL INTELLIGENCE National Laboratory

HUN REN | SZTAKI

Neumann
Technology
Platform

Ferenc KÁSA, J.D., LL.M.
Professional Diplomat for AI & Data
Neumann Nonprofit Ltd.

Activity Focus and Mission

100% **state-owned company**, i.e. background institution of the **Ministry for National Economy** of Hungary

Supports domestic industrial and public policy **strategic development**

Operation of "**Neumann Technology Platform**" (NTP) a **professional framework** to disseminate industrial and technological applications and **tech-coalitions** of certain key technologies such as AI, blockchain, drone, 5G

Realisation of **direct European Union tenders** won by Neumann

Mission

to improve the **competitiveness** and **resilience** of Hungarian enterprises and industries by supporting their technology transformation and digitisation processes

Neumann Technology Platform

Support for Government

Proactive and participatory role in the **development of a regulatory environment** conductive to the diffusion and application of technologies

Implementation of statutory obligations and public tasks specified in the government decree,

The company performs its tasks in order to achieve the public policy objectives of technology, economic and enterprise development, in the framework of which it implements government tasks related to 5G, drone, blockchain, artificial intelligence technologies, fintech ecosystem building and related strategies.

Ministry for National Economy

Carrying out legislative and policy-making tasks, providing background support for the preparation of ministerial programmes

Neumann Nonprofit Ltd. focuses on digital transformation, IT infrastructure development, legal and strategic support. Its legislative, strategic and programming tasks all serve the goal of making Hungary and Hungarian businesses more competitive in the IT and digital fields and adapting effectively to global technological trends.

Neumann Technology Platform

Thematic tech coalitions based on key technologies

A professional framework for the dissemination of industrial and technological applications to the SME sector, start-ups, large companies and public actors

- **Artificial Intelligence Coalition**
- **Blockchain Coalition**
- **Drone Coalition**
- **5G Coalition**

Neumann Technology Platform

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#EBDVF24

KEYNOTE SPEECH FROM THE EUROPEAN COMMISION

EUROPEAN
BIG DATA
VALUE FORUM
2024 | BUDAPEST, HUNGARY

Yvo Volman
Director of Data - DG CONNECT
at European Commission

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AI & AUT EXPO

EUROPEAN BIG DATA VALUE FORUM

2024 | BUDAPEST, HUNGARY

Europe for Global leadership in AI and Data: A policy and research perspective

Elena Simperl
Professor of computer science at King's College London

András Benczúr
Head, Artificial Intellgence Laboratory at SZTAKI

Sylvia Ilieva
Director at GATE Institute at GATE Institute

Moderated by

Edward Curry
Professor at Insight Centre

Cécile Huet
EUROPEAN AI OFFICE - European Commission - DG CNECT Head of Unit "Excellence in AI & Robotics

Peter SZEGEDI
Policy Officer at European Commission DG CONNECT

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of European
competitiveness
The future
of European
competitiveness

EUROPEAN BIG DATA VALUE FORUM

WHERE CAN EUROPE HAVE GLOBAL LEADERSHIP IN AI AND DATA?

Challenge or Opportunity?

AI

OpenAI's '$8.5 Billion Bills' Report Sparks Bankruptcy Speculation

July 29, 2024

OpenAI has, since 2015, raised more than $11.3 billion in seven rounds of funding, and has big backers like Microsoft and Sequoia, but its costs are also huge

- $5 billion in losses within a year
- Costs $7 billion in training its AI models
- $4 billion on servers to run ChaptGPT
- $4 billion training models
- Additional $1.5 billion in staffing (1500 staff)

Challenge or Opportunity?

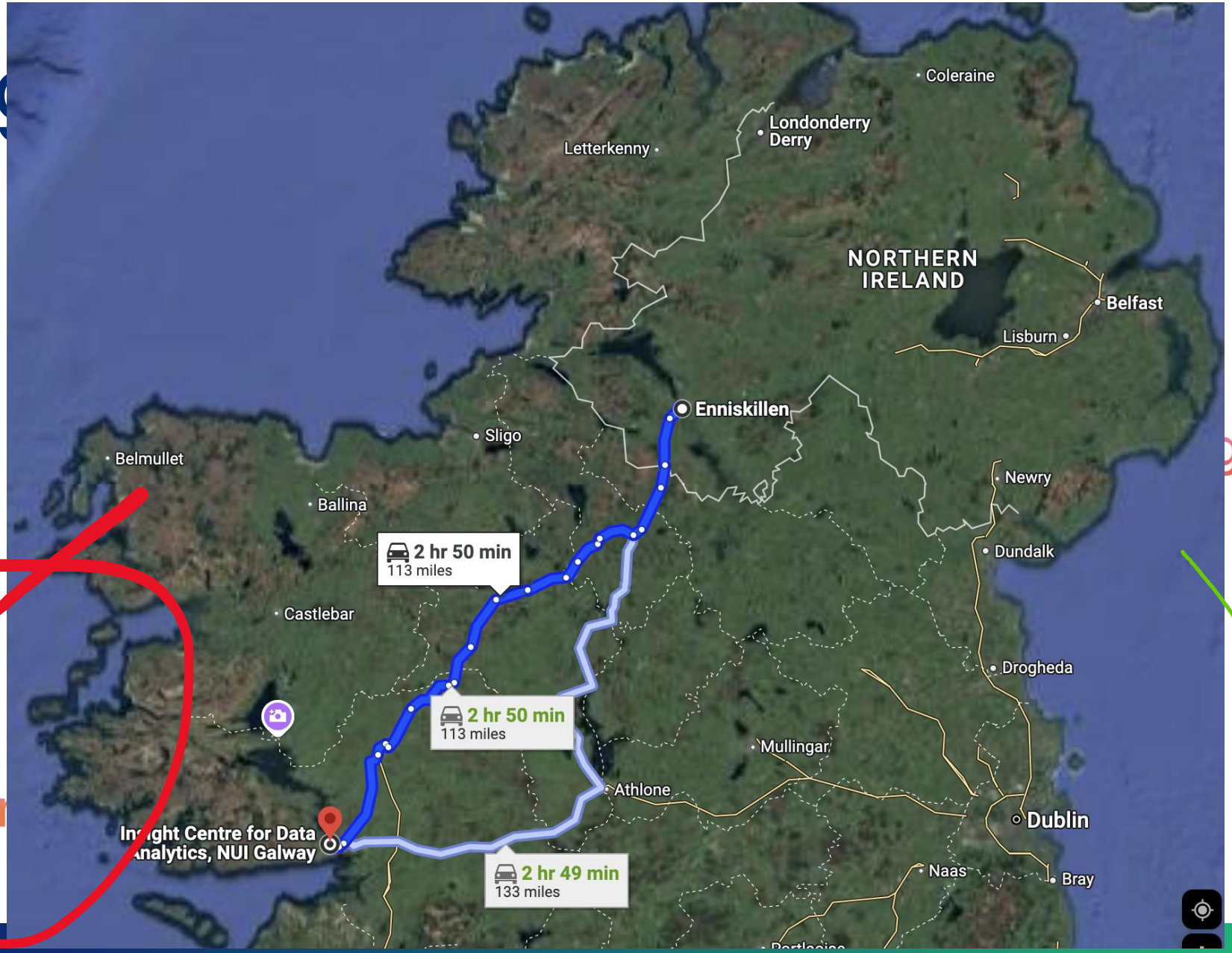
For European Union residents: **Apple Intelligence will not currently work if you are in the EU and if your Apple Account Country/Region is also in the EU**. If traveling outside of the EU, Apple Intelligence will work when your device language and Siri language are set to a supported language. Sep 19, 2024

Apple Support
https://support.apple.com › en-bw

How to get Apple Intelligence on iPhone - Apple Support (BW)

About featured snippets • Feedback

Challeng



gence

Apple Intelliger

Challenge or Opportunity?

TECHNOLOGY | ARTIFICIAL INTELLIGENCE Follow

OpenAI Nearly Doubles Valuation to $157 Billion in Funding Round

Startup behind ChatGPT raises $6.6 billion from backers including Microsoft, SoftBank and Thrive Capital

By Deepa Seetharaman Follow , *Tom Dotan* Follow *and Berber Jin* Follow

Updated Oct. 2, 2024 3:26 pm ET

Share Resize Listen (2 min)

Challenge or Opportunity?

Software Apps

OpenAI's bankruptcy flames linger on as Apple wiggles out of its latest $6.5 billion funding round at the eleventh hour — leaving the mantle to Microsoft and NVIDIA

News By Kevin Okemwa published 2 days ago

Apple won't help put out OpenAI's bankruptcy flames in its latest round of funding.

Comments (0)

"The iPhone maker prides itself on being a privacy-centric brand, and this is arguably its unique selling point in the consumer market..... developing its own AI products and services centered on privacy and security. "

Challenge or Opportunity?

AI And Machine Learning

Harvard Business Review

Is GenAI's Impact on Productivity Overblown?

by Ben Waber and Nathanael J. Fast

January 08, 2024

Summary. Generative AI like LLMs have been touted as a boon to collective productivity. But the authors argue that leaning into the hype too much could be a mistake. Assessments of productivity typically focus on the task level and how *individuals* might use and benefit from LLMs. Using such findings to draw broad conclusions about *firm-level performance* could prove costly. The authors argue that leaders need to understand two core problems of LLMs before adopting them company-wide: 1) their persistent ability to produce convincing falsities and 2) the likely long-term negative effects of using LLMs on employees and internal processes. The authors outline a long-term perspective on LLMs, as well as what kinds of tasks LLMs can perform reliably. **close**

EUROPEAN

BIG DATA VALUE FORUM

2-4 OCT | BUDAPEST - HUNGARY

EUROPE FOR GLOBAL LEADERSHIP IN AI & DATA

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