EIRMA Special Interest Group DIGIT

ComAp®

ComAp Headquarter

(Prague, Czech Republic)

Join us on **Thursday 13 June 2024** and discover:

USE CASES OF GENERATIVE AI IN INNOVATION AND R&D

EIRMA

Context

In the field of Artificial Intelligence (AI), a recent solution seems to offer new horizons to Industrial R&I: Generative AI. It employs machine learning algorithms to produce new data outputs within set parameters, faster than human capabilities. Thanks to its ability to understand and recognize patterns, it can turn raw information into actionable insights.

This is reshaping the R&D landscape, and it is doing so by accelerating the pace of innovation, reducing associated costs, and improving overall efficiency. It can lead to more breakthroughs and advancements across various fields.

However, few companies seem fully prepared for the widespread use of generative AI or the business risks these tools may bring. A recent study by Arthur D. Little shows that only around 50% of surveyed organizations in their study have thus far made investments or hiring decisions that pursue GenAI, signalling a surprising degree of unreadiness.

Issues addressed

- What are the best practices for using generative AI?

- What are some practical uses of generative AI today?

- How will generative AI contribute business value and impact the future of work?

- What are the risks of generative AI, in terms of transparency, accuracy, IP, cybersecurity, HR?

Goals

Through practical examples, this meeting will highlight the promises, benefits, and limitations of generative AI for R&D, its capacity to enhance operational efficiency, boost innovation, and reduce workload.

Target Audience

All leaders of R&D and innovation with an explicit role or interest in digitalization

Chairman

Michael Kolk, Partner, AD Little Amsterdam

E I R M A

PROGRAMME

Wednesday 12 June

19:15   Get together restaurant La Bodeguita Del Medio

19:30 – 22:00   **Welcome Dinner**

Thursday 13 June

08.45 – 09.00   Welcome coffee – Room 503 - Turing, 5th floor

09.00 – 09.05 **Welcome by chairman**
        Michael Kolk, Partner, AD Little Amsterdam

09.05 – 09.30 **Welcome by ComAp (and house rules information)**
        Marek Novotny, R&D Director, ComAp

09.30 – 10.15   **AI-powered coding: How generative AI is changing the SW development**
        •   The focus will be on the transformative impact of generative AI tools, particularly GitHub Copilot, on software development productivity in ComAp.
        •   Presentation of results based on data collected from our systems and developer's feedback.
        •   We'll discuss the broader implications of generative AI adoption in software development, including potential challenges and future opportunities in the industry.
        Filip Eckstein, Head of Architecture | SW, HW, Cloud solutions | R&D technology, ComAp

10.15 – 11.00 **Presentation by Arthur D. Little**
        Michael Kolk, Partner, AD Little Amsterdam

11.00 – 11.30 *Coffee Break*

11.30 – 12.15 **Presentation by Mars**
        Speaker tbd

12.15 – 12.30 **Open discussion**

12.30 -13.30   *Lunch Break*

13.30 – 14.15 **Visit of ComAp premises**
During this visit, you will discover ComAp's work and activities: Engine/microgrid test room, EMC lab, climatic chambre, harware tests, software test room.

14.15 – 15.00 **Presentation by Tate&Lyle**
Speaker tbd

15.00 – 15.30 Coffee Break

15.30 – 16.15 **Accelerating Scientific Discovery and Innovation with GenAI**
Generative AI AI has shown tremendous promise for transforming society and industry, with unprecedented adoption by consumers and businesses alike. R&D and Innovation processes rely heavily on gathering, analyzing, and synthesizing large amounts of existing knowledge, then generating hypotheses, then testing, validating, and eventually iterating in a closed loop. While this process, known as the Scientific Method, is well understood, it still suffers from several bottlenecks, such as systematic knowledge ingestion and distillation, and the combinatorial complexity of hypothesis generation and validation. Generative AI offers new ways to address these bottlenecks thanks to the power of Large Language Models (LLMs) to both distill vast amount of existing knowledge, and to generate new one.
 Abdel Labbi, Program Director, Data & AI Platforms, IBM Research – Europe

16.15 – 16.45 **Open discussion**

16.45 – 17.00 **Conclusion and wrap up**
Michael Kolk, Partner, AD Little Amsterdam

PRACTICAL ARRANGEMENTS

Venue   **ComAp Headquarters**
U Uranie 1612/14a, 170 00 Praha 7-Holešovice
Czech Republic

Accommodation   **Colorfactory Spa Hotel**
Přístavní 2, 170 00 Praha 7 Czech Republic

A block booking with special rates has been secured at **the Colorfactory Spa Hotel** for the nights of <u>June 12 and 13 2024</u>.

To make a reservation**, please send an email** to <u>reservations@hotelfactory.cz</u>, with the mention "COMAP" (in the subject or in the text) to benefit from the discounted rate.

The rate for a single room is **110 eur/night** (breakfast included, city tax not included). The group rate is secured until **May 29 2024**. The deadline is very strict and the rooms are limited, therefore we encourage you to proceed to your booking as soon as possible, as we cannot guarantee that the rooms will be available at the same rate past the deadline.

Dinner   ***<u>Welcome Dinner</u>***
La Bodeguita Del Medio
Kaprova 19/5, 110 00 Staré Město – Praha 1
https://www.labodeguitadelmedio.cz/en/
+420 724 461 678

Transportation to Venue

From Prague Airport : <u>click here</u>
From Colorfactory Hotel : <u>click here</u>

Cancellation   Please give as much notice as possible if you are obliged to cancel. We will refund 50% of the registration fee for cancellation received 1 week before the meeting.
Names may be substituted at any time without charge.

E I R M A

REGISTRATION FORM

EIRMA Special Interest Group DIGIT

June 13 2024

ComAp, Prague, Czech Republic

Please register on-line clicking here or return to EIRMA **before June 3 2024** by e-mail to
events@eirma.org

PLEASE FILL IN CAPITAL LETTERS

Title: (Prof./ Dr./ Mr./ Mrs.): ....…...........

First Name: …..…......

Last Name: …...…

Position: …...…...........

Company: …...…......

VAT number of the paying entity (mandatory for European companies):

....…..

If no VAT nr, Official registration number……………...…………

Address: …...…......

ZipCode: ………………City: ….....................................Country:…...…................

E-mail: …... Cell: …...........…............

Assistant's e-mail: …...

I will ☐ /will not ☐ attend Special Interest Group DIGIT on June 13 2024

I will ☐ /will not ☐ attend the Welcome Dinner at Restaurant La Bodeguita Del Medio on June 12 2024

Dietary requirements:………………………………………………………………………………………

Event's fee: 440,00 € (VAT excluded) for <u>Members</u> <u>excluded Belgium</u>   **532,40 € (VAT included) for <u>Belgian Members</u>**   **Event's fee: 704,00 € (VAT excluded) for <u>Non-Members</u> excluded Belgium**   **851,84 € (VAT included) for <u>Belgian Non-Members</u>**
To be paid preferably by Bank Transfer. Our invoices are to be paid within 30 days from date of invoices.

Mode of Payment
 ☐ Bank Transfer
     Account N° 363-1073576-20
     ING – Rond Point Robert Schuman 8 – 1040 Brussels - Belgium
     IBAN: BE28 3631 0735 7620 - BIC: BBRUBEBB
     EIRMA, as an international association of Belgian law, is subject to VAT (nr: BE 0847 677 159)

For any further information please contact Mrs. Farah Youssouf
Mobile : +32 (0) 469 18 09 79 - e-mail : events@eirma.org