

**MakoLab**  
INTELLIGENCE AMPLIFIED

**AI**  
DAYS

**A I p o w e r e d b y h u m a n e x p e r t i s e**



**Conference agenda**

# AI Days Agenda | **Day 1** | Wednesday 30<sup>th</sup> October 2024

## AI sessions

From - to	What	Who
9:30 - 10:00 AM	Welcome, registration and coffee	
10:00 - 10:05	Opening	<b>Michał Chyliński</b> , Strefa Kreatywności (Creative Zone), Łódź
10:05 - 10:40	<b>The current state of AI</b> Where is the world in the context of AI development? What value is AI introducing today?	<b>Piotr Ignaczak</b> , CTO, MakoLab
10:40 - 11:00	<b>Me, myself and AI</b> for process optimisation (demo)	<b>Sebastian Urbański</b> , Project Manager, MakoLab
11:00 - 11:30	Coffee and networking	
11:30 - 12:00	<b>AI Adoption</b> Where are enterprises and users in the adoption of AI? How are we approaching it and what is holding us back...?	<b>Piotr Ignaczak</b>
12:00 - 12:30 PM	<b>Gen AI for marketing</b> (demo) An AI cooking chatbot assistant case study	<b>Maciej Stanisławski</b> , Head of AI Team, MakoLab <b>Natalia Siwakowska</b> , Project Manager, MakoLab
12:30 - 1:00	<b>Challenges and trends for ground truth annotation</b> (use case)	<b>Jonathan Nasse</b> , Product Manager, Understand AI
1:00 - 2:00	Lunch and networking	
2:00 - 2:15	<b>Automotive expertise meets AI: Intelligent lighting solutions beyond the vehicle</b>	<b>Manuel Weber</b> , Innovation Manager, sdp
2:20 - 2:45	<b>Leveraging AI research for actionable insights in decision-making</b>	<b>Professor Ashwin Ittoo</b> Enabling & helping industry in AI implementations, University of Liège
2:45 - 3:30	<b>Responsible AI</b> (panel discussion)	Chair <b>Professor Katarzyna De Lazari-Radek, PhD, hab.</b> , Vice-Rector of Internationalisation, University of Lodz, AI Ethics Expert Panellists <b>Mirek Sopek, PhD</b> , founder of MakoLab <b>Professor Krzysztof Pancerz, PhD</b> , MakoLab AI team <b>Professor Artur Modliński, PhD, hab.</b> , Head of the Centre for Research on Artificial Intelligence and Cybercommunication at the University of Łódź <b>Professor Ashwin Ittoo</b> , University of Liège
3:30 - 3:45	Coffee and networking	
3:45 - 4:15	<b>The legal aspects of AI</b> (talk/presentation)	<b>Dariusz Czuchaj</b> , Managing Partner, Synthetic Law
4:15 - 4:45	<b>AI based real time decision making</b> (use case)	<b>Jhonathan Romero Fontalvo, PhD</b> , Co-founder of AQI
4:45 - 5:00	Day 1 closing remarks	<b>Michał Chyliński</b>

# AI Days Agenda | **Day 1** | Wednesday 30<sup>th</sup> October 2024

## Showcases and deep dive technological sessions

From - to	What
10:00 AM - 5:00 PM	<p><b>Talking about advanced AI technology</b> Join us for in-depth discussions on topics including ontology, vector databases, LLMs, RAGs and more.</p> <p><b>Graph databases for better LLM results</b> Enhancing LLM performance by leveraging graph databases for richer connections.</p> <p><b>Measuring hallucinations in LLMs</b> Assessing and mitigating hallucinations to improve LLM accuracy and reliability.</p> <p><b>Genetic algorithm in logistics</b> Applying genetic algorithms to optimise logistics and improve operational efficiency.</p> <p><b>Less obvious uses for LLMs</b> Exploring unconventional applications of LLMs to solve diverse business challenges.</p> <p><b>About RAG architecture and technology</b> A comprehensive look at retrieval-augmented generation (RAG) architecture and implementation.</p> <p><b>Vector databases in use</b> Using vector databases for advanced AI search and knowledge retrieval.</p> <p><b>Dislike clouds? Have an on-premise chatbot!</b> Developing on-premise chatbot solutions when cloud infrastructure is to be avoided.</p> <p><b>Query an SQL database with natural language</b> Using natural language processing to query SQL databases smoothly and effectively.</p> <p><b>Automotive insights</b> See how MakoLab is transforming the automotive industry with digital tools and services. Explore our Vehicle Lifecycle Management tool, our Lead Management Tools and our solutions for connected car services and in-vehicle commerce, financial simulators and CMS. Find out how we help OEMs enhance customer experiences, streamline operations and drive digital transformation with secure DevOps and seamless deployment.</p> <p><b>Finance and insurance</b> Discover how MakoLab is future-proofing financial services and transforming finance and insurance with digital tools after a decade in FinTech and InsurTech. Financial simulators, credit scoring tools, omnichannel portals and AI-powered claim management are just some of our solutions for streamlining operations and elevating customers' experiences. Our LICOSS Life Insurance Contract Sales System is another. Find out more!</p> <p><b>Digital transformation pathways</b> Explore MakoLab's approach to digital transformation. We guide our clients from the initial consultations right through to ongoing support. From transforming business models and customer experiences, via leveraging data insights, to designing user-centric solutions and enhancing IT security, we ensure that every aspect is covered. See how we develop prototypes and cutting-edge solutions and how we implement agile practices. Find out about our secure deployment strategies, featuring test-driven development and our DevOps and continuous hosting services, which ensure smooth operations long after deployment is complete.</p>

## Dinner in the majestic Łódź Orientarium Aquarium Observation Tunnel

6:00 - 7:00 PM	Registration	7:00 - 10:00	Dinner
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**END OF DAY 1**



# AI Days Agenda | **Day 2** | Thursday 31<sup>st</sup> October 2024

## AI sessions

From - to	What	Who
8:30 - 9:00 AM	Welcome, registration and coffee	
9:00 - 9:05	Day 2 opening	<b>Michał Chyliński</b>
9:05 - 9:50	<b>Future developments in AI</b> (talk/presentation) A possible road to AGI	<b>Piotr Ignaczak</b>
9:50 - 10:10	<b>Case study</b> (demo presentation) TBC	TBC
10:10 - 11:10	Coffee and networking	
11:10 - 11:50	<b>AI Strategy</b> Organisational readiness. Preparing your organisation for successful AI adoption.	<b>Robert Sendacki</b> , Co-founder and CEO, MakoLab Consulting
11:50 - 12:00	Closing remarks	<b>Michał Chyliński</b>



# AI Days Agenda | **Day 2** | Thursday 31<sup>st</sup> October 2024

## Showcases and deep dive technological sessions

From - to	What
10:00 - 12:00 PM	<p><b>Talking about advanced AI technology</b> Join us for in-depth discussions on topics including ontology, vector databases, LLMs, RAGs and more.</p> <p><b>Graph databases for better LLM results</b> Enhancing LLM performance by leveraging graph databases for richer connections.</p> <p><b>Measuring hallucinations in LLMs</b> Assessing and mitigating hallucinations to improve LLM accuracy and reliability.</p> <p><b>Genetic algorithm in logistics</b> Applying genetic algorithms to optimise logistics and improve operational efficiency.</p> <p><b>Less obvious uses for LLMs</b> Exploring unconventional applications of LLMs to solve diverse business challenges.</p> <p><b>About RAG architecture and technology</b> A comprehensive look at retrieval-augmented generation (RAG) architecture and implementation.</p> <p><b>Vector databases in use</b> Using vector databases for advanced AI search and knowledge retrieval.</p> <p><b>Dislike clouds? Have an on-premise chatbot!</b> Developing on-premise chatbot solutions when cloud infrastructure is to be avoided.</p> <p><b>Query an SQL database with natural language</b> Using natural language processing to query SQL databases smoothly and effectively.</p> <p><b>Automotive insights</b> See how MakoLab is transforming the automotive industry with digital tools and services. Explore our Vehicle Lifecycle Management tool, our Lead Management Tools and our solutions for connected car services and in-vehicle commerce, financial simulators and CMS. Find out how we help OEMs enhance customer experiences, streamline operations and drive digital transformation with secure DevOps and seamless deployment.</p> <p><b>Finance and insurance</b> Discover how MakoLab is future-proofing financial services and transforming finance and insurance with digital tools after a decade in FinTech and InsurTech. Financial simulators, credit scoring tools, omnichannel portals and AI-powered claim management are just some of our solutions for streamlining operations and elevating customers' experiences. Our LICOSS Life Insurance Contract Sales System is another. Find out more!</p> <p><b>Digital transformation pathways</b> Explore MakoLab's approach to digital transformation. We guide our clients from the initial consultations right through to ongoing support. From transforming business models and customer experiences, via leveraging data insights, to designing user-centric solutions and enhancing IT security, we ensure that every aspect is covered. See how we develop prototypes and cutting-edge solutions and how we implement agile practices. Find out about our secure deployment strategies, featuring test-driven development and our DevOps and continuous hosting services, which ensure smooth operations long after deployment is complete.</p>

**END OF THE CONFERENCE**

