



postuniversitair
centrum

Workshop

A No-Code Approach to Decision Support and Knowledge Capturing

KU Leuven - Brugge

Friday 24 May 2024, from 9 until 12.30h

KU LEUVEN

KULAK

GENT

BRUGGE

Get to know the state-of-the-art IDP knowledge-base system, developed at KU Leuven

In this workshop, you will get to know the state-of-the-art IDP knowledge-base system, that has been developed at KU Leuven and is currently used by companies in various sectors.

This workshop provides hands-on training in the (freely available) IDP Knowledge Base System. You will be able to build basic applications using IDP, and you will be able to identify potential use cases for this technology.

Target group

No prior knowledge is required, but the workshop is mainly intended for technical profiles in IT or (business) engineering. Other profiles that might benefit from the training are people working in R&D, or business profiles in charge of streamlining business processes.

It is relevant for companies interested in decision, design or process automation/support. Existing applications can be found in the financial, legal and manufacturing sectors.

Programme

In their day-to-day operations, companies typically make many small but important decisions, such as:

- which employee should handle an incoming request
- which service should be recommended to a specific customer
- how should a specific product be configured to meet a customer's requirement,
- whether a specific customer is entitled to a discount, etc.

Decision support systems can help employees make these decisions faster, more reliably and more consistently, reducing costs and increasing confidence in the process. To develop such systems, black-box AI methods (such as deep learning) are not well-suited, because they lack the required transparency and explainability. A more promising approach are knowledge-based AI systems, which derive their 'intelligence' not from data, but from logical models of rules, regulations and expert knowledge.

In this workshop, you will get to know the state-of-the-art IDP knowledge-base system, developed at KU Leuven. It is currently being used by companies in the manufacturing and legal sectors to provide various decision support, both to their customers and in-house. This system is based on methods and techniques that were developed for declarative programming systems such as Prolog, but it offers a number of important innovations: (1) instead of focusing only on querying, the IDP system provides a wide range of different functionalities that can be used to implement rich interactive interfaces that support users in different work-flows, (2) instead of relying on programmers, the system allows its end users to maintain the underlying knowledge base, which means that we can cut out the "middle man" of IT staff and allow the business experts themselves to update the system, thereby not only reducing cost and turn-around time but also putting the ownership of the decision knowledge in the right hands.

The workshop starts with a brief introduction to Knowledge-based AI and presents existing applications in the financial and manufacturing sectors. We then proceed with a hands-on tutorial, using a freely available web interface that participants access from their own laptops.

Practical

Date and location

- Friday 24 May 2024, from 9 until 12.30h (sandwiches are provided afterwards).
- KU Leuven - Brugge | Spoorwegstraat 12, 8200 Brugge

Registration

[Register online before 17 May 2024.](#)

The fee is 250 euro.

Payment can either happen without invoice by transferring the amount to the account number IBAN BE31 2850 2133 2955 (Postuniversitair Centrum), with reference '400/0025/66293 + name participant(s)', or pay after receiving the invoice.

As a training institution recognized by the Flemish Government, we accept payments via the SME portfolio. Our approval number is DV.O102270. When completing your application, you choose Innovation as the Theme and Artificial Intelligence as the subtheme/advice.

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Door mij in te schrijven, verklaar ik mij ermee akkoord dat de gegevens die ik verstrek gebruikt worden om mij te contacteren in de context van deze opleiding en voor alle nuttige opvolging ervan.