

Engineering AI Workshop: Research and Practice of AI Systems Engineering

Report of Contributions

Contribution ID: 2

Type: **not specified**

Position Statements

Friday, September 23, 2022 10:15 AM (2h 15m)

In the morning session several pitches given by invited speakers. Speaker span several disciplines, academia to industry:

- Julius Pfrommer & Constanze Hasterok, Competence Center AI Engineering, Fraunhofer IOSB
- Franziska Boehm, Division Head Intellectual property rights , FIZ Karlsruhe- Leibnitz Institute for Information Infrastructure
- Peter Sanders, Head of Institute of Theoretical Informatics, Algorithm Engineering, KIT
- André Platzer, Alexander von Humboldt Professorship for Artificial Intelligence 2023
- Sebastian Klumpp, CEO –priceintelligence
- Victor Pankratius, Director and Head of Global Software Engineering at Bosch Sensortec
- Marco Huber, Head of Cyber Cognitive Intelligence, Fraunhofer IPA
- Jan Bosch, Director of Software Center, Chalmers University of Technology

the definition of AI Engineering: what is AI Engineering - scope and architecture

the dimensions of AI Engineering: what are important aspects to structure AI Engineering along?

the process of Engineering AI Systems: what processes and tools does AI Engineering need?

Session Classification: Morning Session

Contribution ID: 3

Type: **not specified**

Demos and Posters

Friday, September 23, 2022 12:00 PM (2 hours)

Session Classification: Discussions

Contribution ID: 4

Type: **not specified**

Part I: Bottom up Creative Process

Friday, September 23, 2022 2:00 PM (1h 15m)

This discussion session will collect aspects of Engineering AI? A bottom-up session to name all the pieces that make up AI Engineering, split into sub-parts definition, methods and tools by using brainstorm methods.

Focus on creativity, the outcome is a collection of aspects

Session Classification: Afternoon Session

Contribution ID: 5

Type: **not specified**

Part II: Top down Define the field

Friday, September 23, 2022 3:45 PM (1h 15m)

This discussion session will address the question “What are dimensions for Engineering AI?” A top-down session that tries to assemble the field based on the above aspects.

We will focus on structuring the aspects, the outcome can be several models, architectures, processes etc. that make up Engineering AI across disciplines (Software Eng., Engineering Disciplines, AI-core/algorithms, legal, economics...)

A goal would be to find a common view of what makes up AI Engineering over one discipline shared by all attendees, if this is already possible.

Session Classification: Afternoon Session

Contribution ID: 6

Type: **not specified**

Welcome

Friday, September 23, 2022 10:00 AM (15 minutes)

Session Classification: Registration / Welcome