BPM CONSULTING & TRAINING

Intelligent Process Modeling for the Age of Artificial Intelligence

BPMN 2.0: objectives, specificities and challenges

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Topics covered

- Concepts and definitions
- BPMN 2.0. objectives
- BPMN 2.0. two main models: orchestrations and collaborations
- Control flow patterns
- Token Principle
- How AI is changing the way we model

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Modeling – Part One

Modeling - Part One

Topics covered

- First task types: user, manual, service, send, receive
- Event types: start, end, intermediate
- Data gateways: XOR, AND, OR
- Subprocesses: embedded subprocesses and call activities

Workshop: Modeling a first process taking into account these BPMN elements

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Modeling – Part Two

Modeling - Part Two

Topics covered

- First start events: none, message, signal
- First end events: none, terminate, message, signal
- First intermediate events: message, signal
- Last task types: script, business rule

Workshop: Modeling a second process taking into account these additional BPMN elements

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Modeling – Part Three

Modeling - Part Three

Topics covered

- Another start event: timer
- Another end events: escalation, error, compensation
- Another intermediate events: timer, escalation, compensation, link
- First boundary intermediate events: escalation, error, compensation

Workshop: Modeling new processes taking into account these additional BPMN elements

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Modeling – Part Four

Modeling - Part Four

Topics covered

- Boundary intermediate events: interruptive and non-interruptive
- Another start event: conditional
- Another end event: cancel
- Another boundary intermediate events: timer, message, cancel

Workshops: Modeling new processes taking into account these additional BPMN elements

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Modeling – Part Five

Modeling - Part Five

Topics covered

- Call activities: a processes repository
- Specific types of embedded subprocesses: transaction, event, ad-hoc
- Event gateways, complex gateway
- Repetitive activities: loop, multi-instance

Workshops: Modeling new processes taking into account these additional BPMN elements

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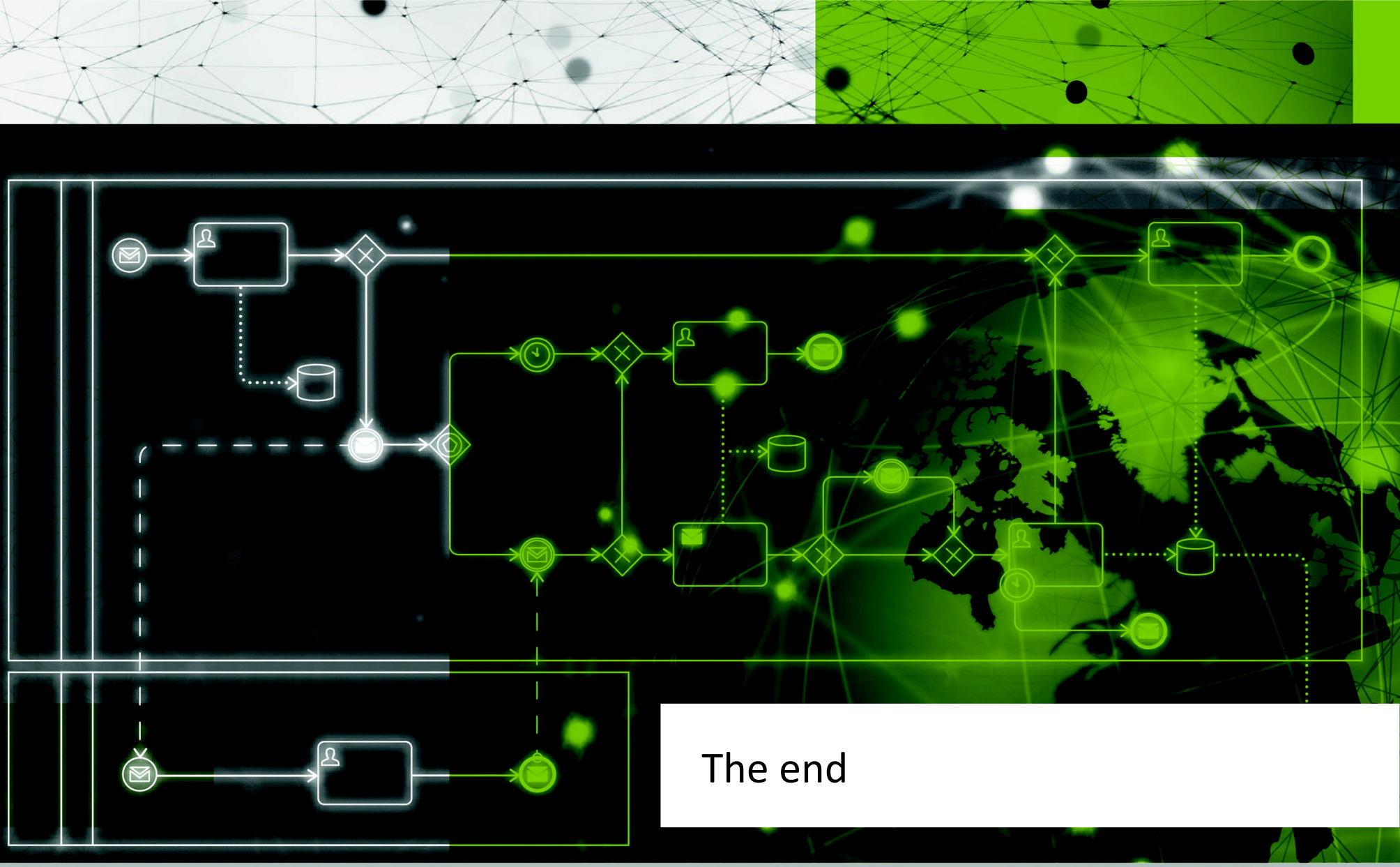
AI & BPMN

AI & BPMN

Topics covered

- Optimizing BPMN models with Machine Learning: using AI to detect inefficiencies, predict bottlenecks, and optimize processes
- Automatic generation of BPMN models with AI: using AI to convert textual process descriptions into BPMN models
- Process automation with AI: how BPMN can be integrated with RPA and AI to improve process execution

Workshops: Demos of the impact of AI in BPMN modeling, and more generally in the BPM (Business Process Managment) approach



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