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# Fraunhofer IAIS

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## The Dynamic Web



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# The WWW in a Dynamic World

- Web based communication: people and information systems
  - traveling scenarios
  - logistics
  - cyber physical systems
  - „smart cities“
  
- Internet of things

# State of the Art

- Message passing
  - Twitter etc.
- Web services (more for distributed Web based computation than for communication)
- Business Processes (BPEL etc.)
- Active databases (not really Web-enabled)
- Agents

# Dynamic Web: Events and Actions

- Today: dedicated ICT for events and actions
  - CEP – complex event processing
  - Complex actions
- Reactivity: event condition action rules
- Declarative approach to dynamic processes
- to be integrated with semantic technologies

# The Dynamic Web Layer Cake

