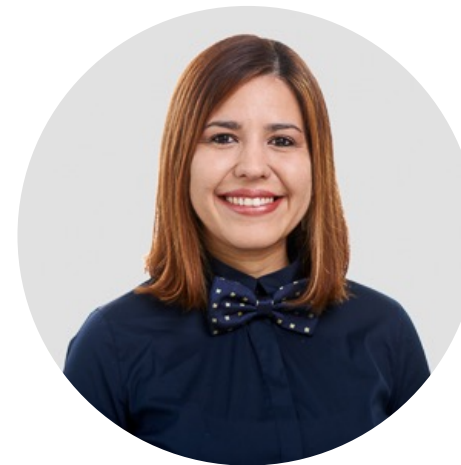


7. F&E-Konferenz zu Industrie 4.0
25. Januar 2022, Biel/online

WHY DO WE STILL WRITE SO MUCH CODE IN 2022?



Dr. Michael Wahler

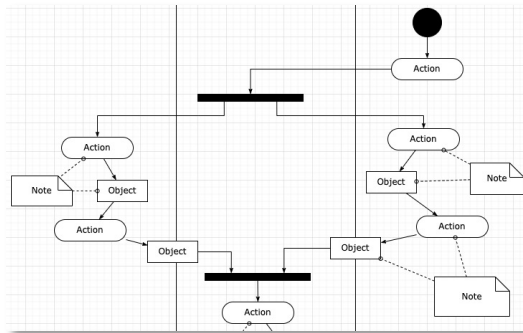


Dr. Marcela Ruiz

Has Model-Driven Engineering Failed?

YES

- Billions of hand-written lines of code
- Who generates code from UML?
- Who is responsible for modeling?



NO

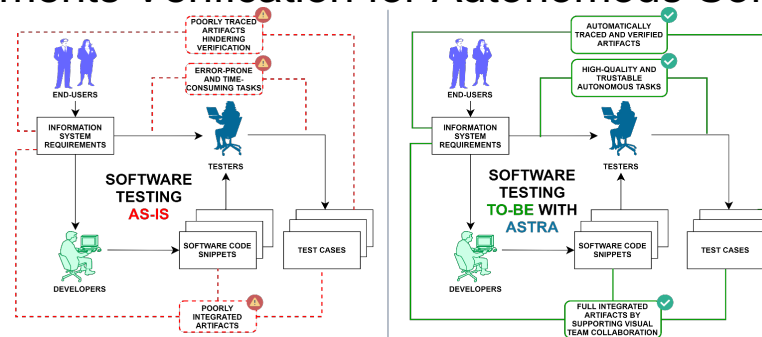
- In the industry
 - IEC 61131
 - IEC 61850
- UML class diagrams
- Domain-specific languages
 - Software-defined networking
 - Kubernetes

```
apiVersion: v1
kind: Service
metadata:
  name: redis-master
  labels:
    app: redis
    tier: backend
    role: master
spec:
  ports:
  - port: 6379
    targetPort: 6379
  selector:
    app: redis
    tier: backend
    role: master
```

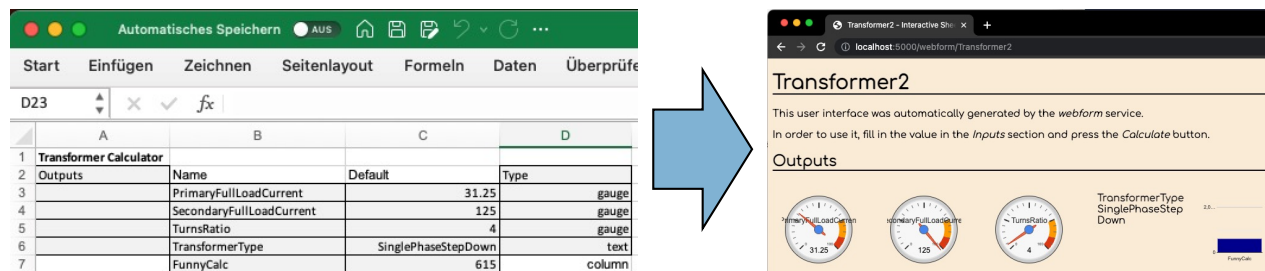
Goal: Automating the Software Development Life Cycle

Automating the Software Development Life Cycle Two Research Examples

- Automating Requirements Verification for Autonomous Software Testing



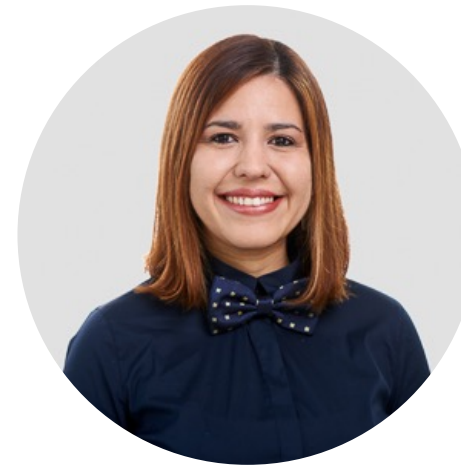
- Automatic integration of Office documents into the software life cycle



SEE YOU AT THE POSTER EXHIBITION!



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