“User Interfaces are GREAT sources of domain knowledge” – HOW to extract it?

**DEAL Method**

1. Extraction
2. Simplification
3. Derivation of relations
4. Record/Replay support
5. UI Language grammar generator

The target application (language) has to:
- be component-based
- support AOP
- support reflection

Inheritance helps with custom components!

**DEAL Prototype**

Dynamic analysis of Java UIs using component approach

[Link](https://www.assembla.com/spaces/DEALtool/wiki)

**Utilization of DEAL Outputs**

*Input:* application with an interface made of components

*Output:* platform-independent domain model in FODA notation

DEAL automatically derives:
- **domain dictionary** – from component descriptions
- **domain relations** – from component types
- **domain processes** – from the event sequences