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# EICS Industrial Panel

Sébastien LEJEUNE – Thales

19/06/2014/TRT-Fr/STI/LRASC/SL/14,0013

## Sébastien LEJEUNE - Thales Research & Technology - France

- ◆ Working on advanced & disruptive MMI topics
- ◆ Leading activities on migration of existing legacy systems towards modern web technologies
- ◆ Strong background in software development & architecture
- ◆ Innovation enthusiast

### Skills

- ◆ Agile Software Project Management
- ◆ RIA & Advanced MMI, Multimodality
- ◆ Web Development & Architecture
- ◆ HTML5, CSS3, JavaScript
- ◆ Java/JEE, SOA, EIP, Spring



## New version of UsiXML (USeR Interface eXtensible Mark-up Language) supporting: $\mu$ Modality, $\mu$ Context, $\mu$ Platform, $\mu$ User, $\mu$ Organisation, $\mu$ Linguality, $\mu$ Device Based on Cameleon Reference Framework.

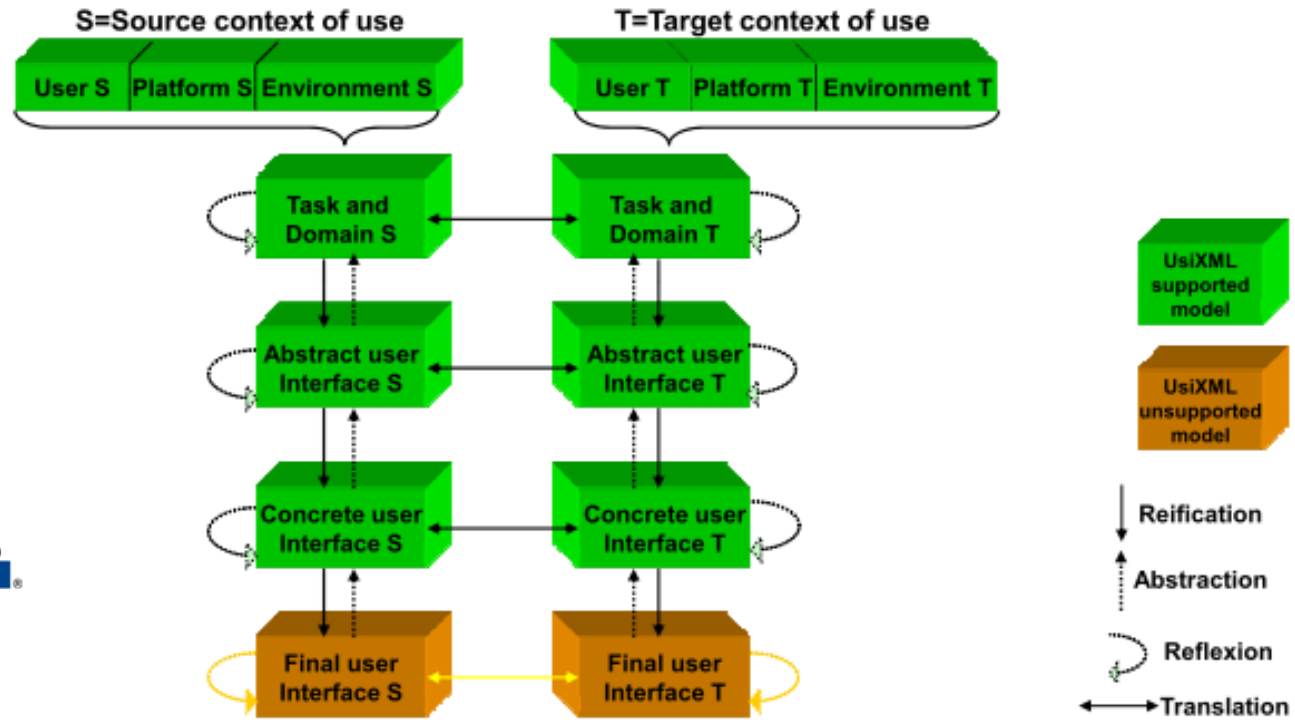
Pushed in Interaction Flow Modeling Language at OMG



Pushed in Model-based User Interface Design (MBUI) at W3C



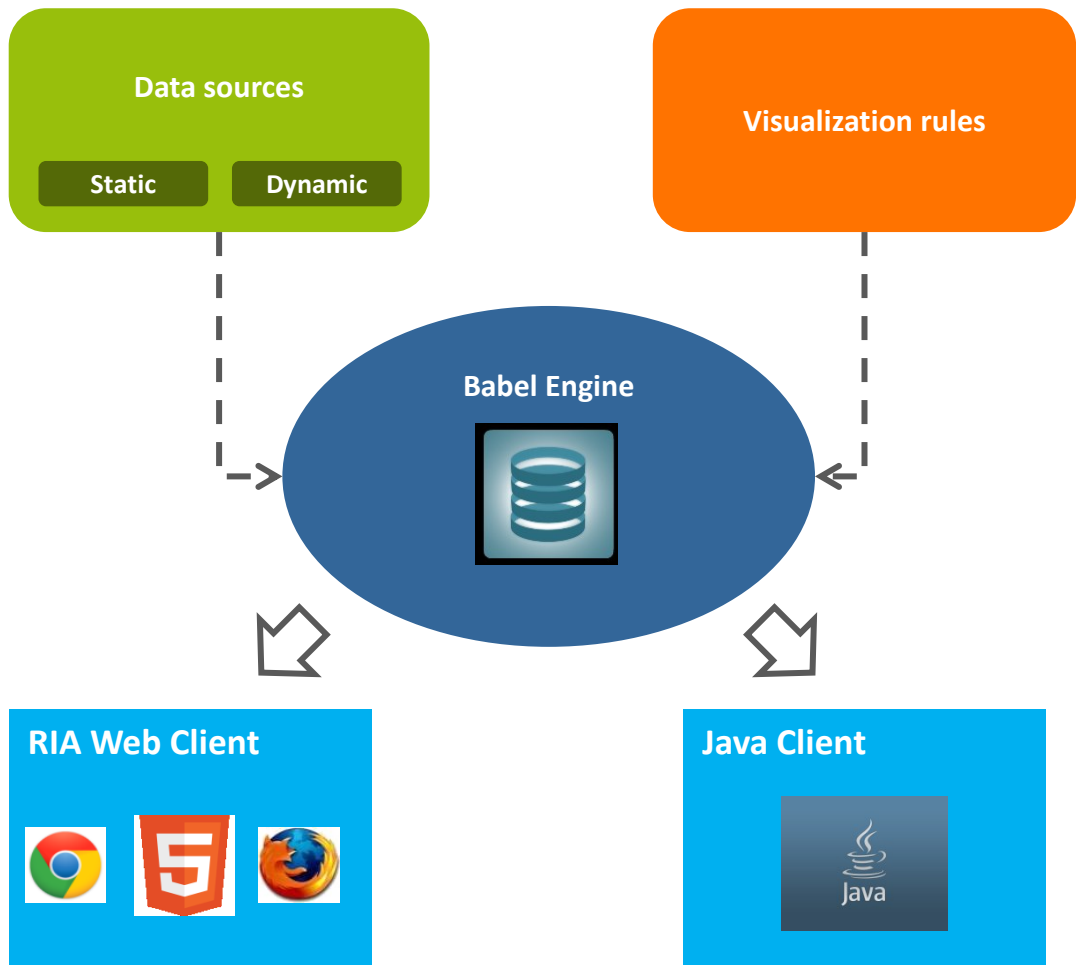
[www.usixml.org](http://www.usixml.org)



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Project Manager: D. Faure (Thales)



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## UI for systems with multiple users supporting

- ◆ Dynamic role distribution between users (regarding their responsibility level)
- ◆ Dynamic role switch from one user to another one (for h24 operations)
- ◆ UI adaptation to the role of the user by presenting only relevant information for the user

## Model based UI

- ◆ Allowing to support previous functions
- ◆ Fully integrated with current model based system design (Melodie, Arcadia, ...)
- ◆ Automatic or Semi-Automatic checking of UI for safety checks
- ◆ Automatic adaptation to the context (operator, mission, ...)

## UI supporting collaboration with unmanned systems

- ◆ Role exchange between human and autonomous systems
- ◆ Context sharing between human and autonomous systems
- ◆ Authority sharing (Allow the system to take a task from the user or give a task to the user)