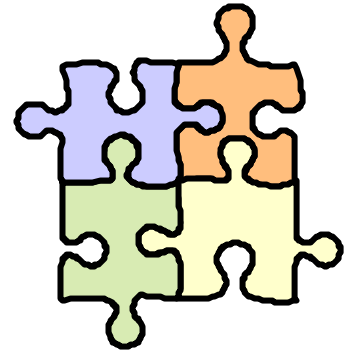


# AMUSINg : Adaptable & Mergeable USeR INterface

## Objectives

- Provide an open-architecture for
  - Representing abstract HMI with **SUNML**
  - Merging UI components with **Fusion Algorithms**
  - Dynamic Merging with **WML**
- Provide a platform and API for
  - Projecting abstract UI into concrete UI
  - Merging abstract UI components
  - Managing adaptation of UI



## Concepts

- Merging example:
  - Union algorithm :  $(A \cup B) = (A + B) - (B \cap A)$
  - Based on the **semantic** value
    - **semantic** (Customer.name) == **semantic** (Address.name)



- SunML example

```
<sunml>
<interface id="Customer" desc="Customer's Information" semantic="interface">
  <dialog id="MainDialog" desc="Customer's Information" semantic="dialog">
    <element id="name" mode="read-write" value="Toto" />
    <element id="discount" type="double" mode="read-write" value="10.5" />
  </dialog>
</interface>
</sunml>
```

## Contact

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