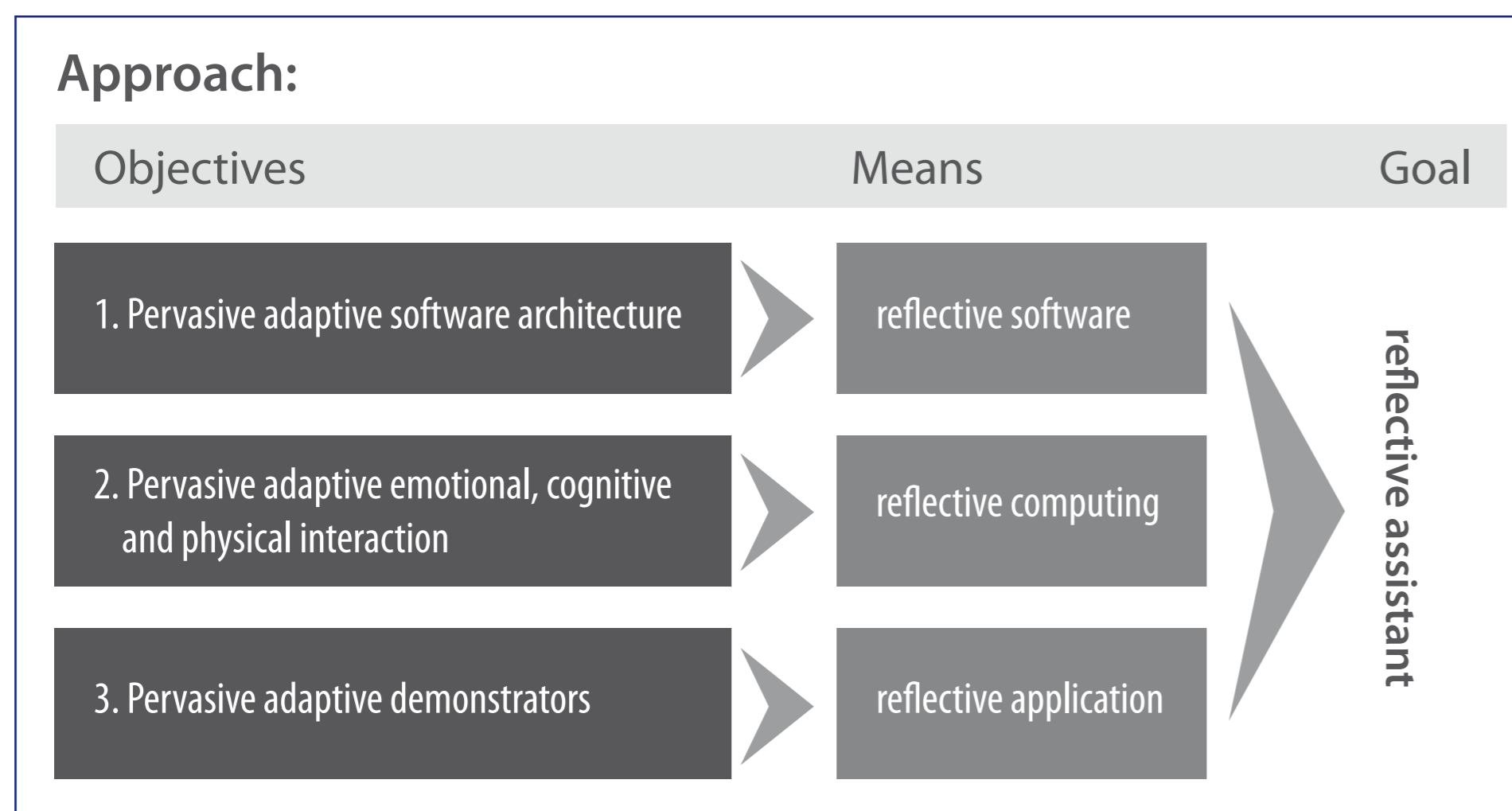


# WHAT YOU FEEL IS WHAT YOU GET

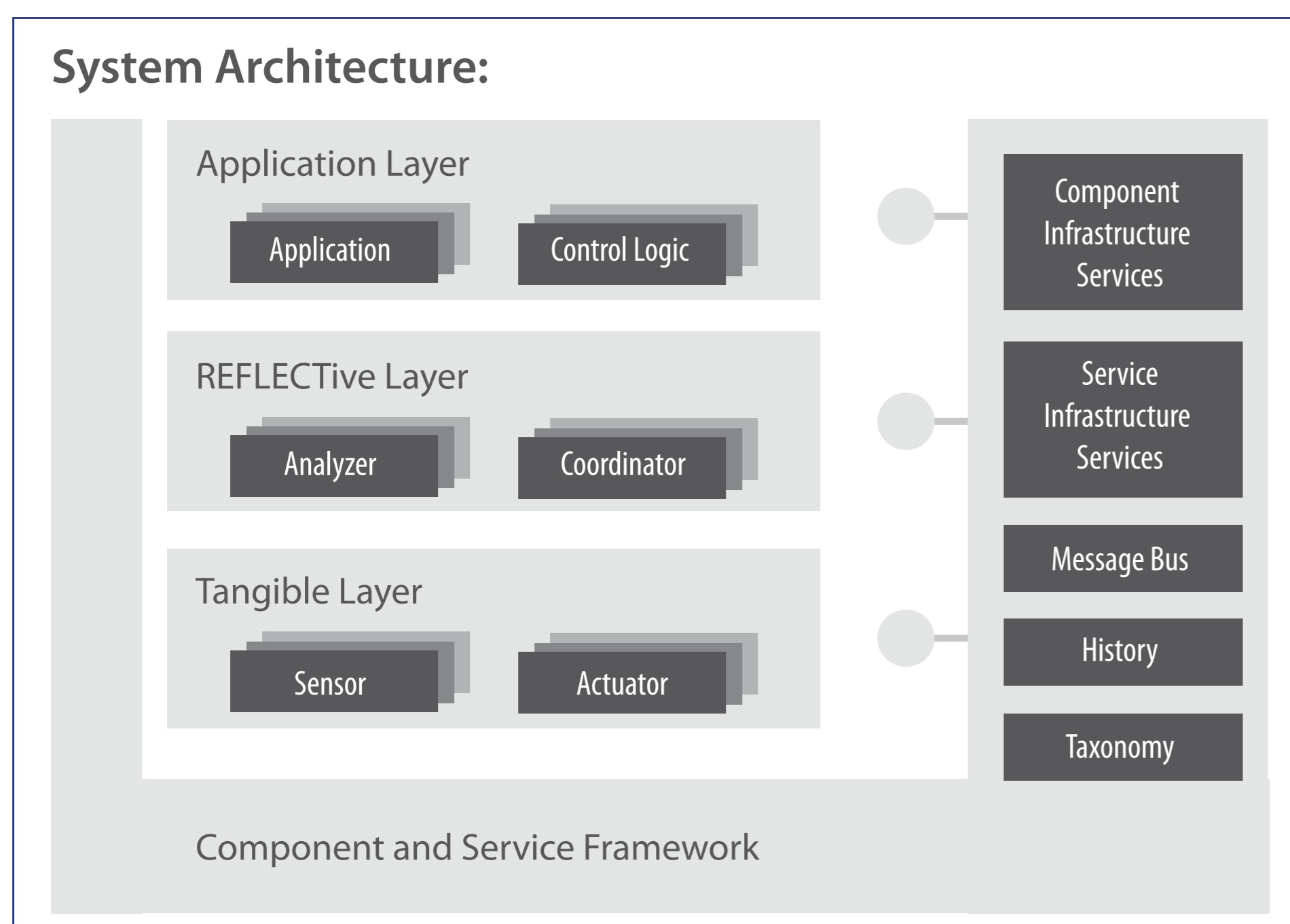
## Featuring pervasive adaptation



The reflective system should

- understand our feelings
  - guess our intentions and difficulties
  - mind our physical condition
- in order to determine the personal state and to
- re-inforce positive feelings
  - relieve mental effort
  - improve comfort

### REFLECTIVE SOFTWARE



Layered architecture

- Linking to physical devices
- Abstraction: analysis and coordination
- Decision making: application and control

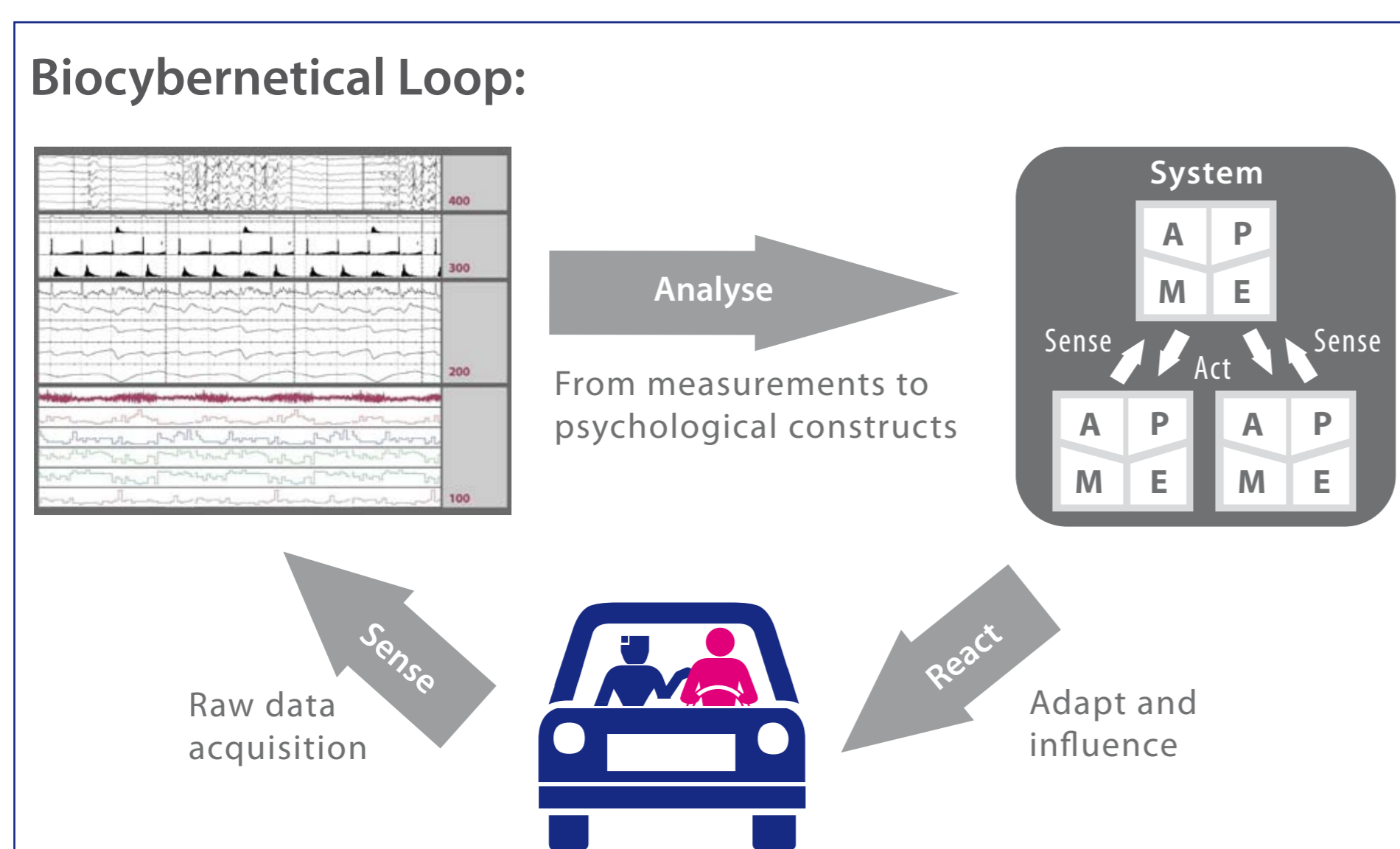
Framework services

- Service infrastructure
- Component infrastructure
- Additional utilities

Prototype implementation

- Focused on component-based adaptivity

### REFLECTIVE COMPUTING



### REFLECTIVE APPLICATION

Any situation where computer control is deployed, making existing systems sensuous, e.g.:

- Automotive
- Communication
- Education
- Entertainment
- Urban infrastructure
- Ambient Assisted Living

**PROJECT COORDINATION:**

FRAUNHOFER INSTITUTE FOR COMPUTER ARCHITECTURE AND SOFTWARE TECHNOLOGY  
 PROF. DR. NIKOLA SERBEDZIJA  
 PHONE: +49 (0)30 6392-1873  
 NIKOLA.SERBEDZIJA@FIRST.FRAUNHOFER.DE  
 HTTP://REFLECT.FIRST.FRAUNHOFER.DE

**PARTNERS:**

- FERRARI S.P.A MARANELLO
- PHILIPS RESEARCH EINDHOVEN
- LUDWIG-MAXIMILIAN UNIVERSITY MUNICH
- JOHN MOORES UNIVERSITY LIVERPOOL
- UNIVERSITY OF GRONINGEN, UNIVERSITY OF PAVIA
- INSTITUTE MIHAJLO PUPIN BELGRADE