

# Integrating Studierstube and DWARF

Martin Bauer, Otmar Hilliges, Asa MacWilliams

Joe Newman, Gerhard Reitmayr, Tamer Fahmy

Several basic data types exchanged by the frameworks' components are similar, such as 6-DOF pose, and input device data. Thus, we can create adapter components that are part of both frameworks to facilitate interoperation.

Since both frameworks were designed to make the addition of new components simple, developing the adapter compo-



```
struct PoseData {
    ThingID id; // a string
    ThingType type; // a string
    double position[ 3 ];
    double orientation[ 4 ];
    double positionAccuracy;
    double orientationAccuracy;
    Time timestamp;
};
```

