

Tutorial proposal: MB 2008

Title

The Software Development Kit for The Observer XT: How to transfer (synchronized) data from or to The Observer

Instructor

Erik Meyer
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Instructor resume

Erik Meyer has been the project leader for The Observer for many years and as such has guided the development from a basic event recorder to the advanced multi-modal observational data recording and integration tool that it is now. He is a very experienced project leader and software engineer and has worked for a variety of companies and institutes making scientific and other technical software.

Duration

60 minutes

Benefits

The participants will get an overview of several ways to interface data coming from or going to other applications with The Observer XT. Data of these applications, such as positions or movement of limbs of someone walking, GPS data or an audio waveform, are recorded simultaneously with the event log (and video) of The Observer. Also, The Observer can send out a synchronization signal that can be used to synchronize data from other applications after import into The Observer. Import and export of observational data into and from The Observer using the XML format will also be discussed.

Features

The session will cover:

- How to work with plug-ins (The COM-interface methods for the plug-in).
- Call actions in The Observer (using to start or stop external applications).
- Synchronization in The Observer (using the TCAP synchronization signal from The Observer).
- Use of XML (and other formats) in The Observer for observational data export and import.

Audience

The tutorial is aimed at technical users of The Observer who either have some basic programming skills themselves or have colleagues with these skills.