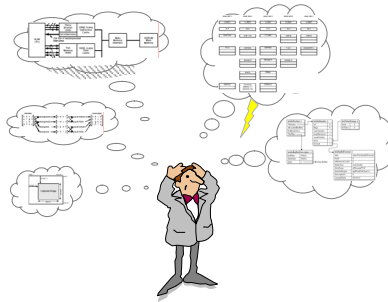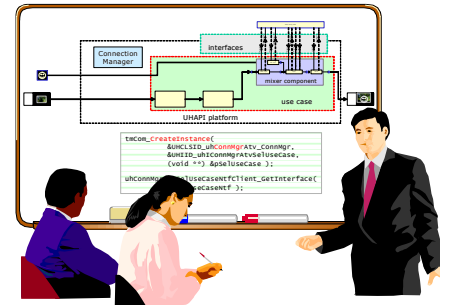# Using the UHAPI

UHAPI Foundation

Benefits

- Get started sooner
- Finish products earlier
- Avoid mistakes

Learn how to program the UHAPI properly to build products and middleware that are robust and readily maintained.

Steep learning curve?

We make UHAPI

Contents

In this class we explain and clarify all aspects of UHAPI including:

- UHAPI architecture concepts
- The UHAPI component model
- Role & implementation of uhCOM
- UHAPI frameworks and platforms

We illustrate these points using worked examples on a generic UHAPI platform:

- An example UHAPI platform
- Study of a UHAPI component
- An example UHAPI application

Class sessions include:

UHAPI architecture

Understand the aims and design choices of the UHAPI architecture, in the proper context of designing a product or 'add-on'.

- UHAPI in overview
- Simple program example
- UHAPI aims
- Frameworks, platforms and SDKs
- Streaming Media
- Use cases

Concepts

Know the concepts behind UHAPI, through programming examples.

- Connection Management
- Components
- Interfaces

Software Development Kit

Know what to expect from a UHAPI Software Development Kit (SDK), and learn to use a generic PC-based UHAPI-PC SDK as an example of a platform implementation.

- UHAPI PC platform
- UHAPI PC components

Components

In-depth study of some typical UHAPI components, their functionality and interfaces.

- Component Object Model (COM)
- Role & implementation of uhCOM
- Components and interfaces

Sample application

Put into practice what you have learnt by working through a practical example application program:.

- UHAPI-PC platform
- Sample application
- Supported Use Cases
- Connection Manager
- Using uhCOM interfaces
- Example application components
- Interfaces, functions
- System design issues

Time and arrangements

This class takes 2 days.

It is presented 'on-site' by arrangement - the material can be adapted if you have specific needs (at extra cost).

Sometimes we arrange 'public' classes: schedules are posted on the Internet:

http://www.bores.com/schedule.htm

UHAPI Foundation

We offer other UHAPI classes, for example:

- Implementing the UHAPI
- the Nexperia NH8550 SDK

Contact us:

chris@bores.com

Booking and questions

Call us by 'phone or send email to book or to ask questions.

- contact: Dr Chris Bore
- 'phone: +44 (0)1483 740138
- mobile: +44 (0)7921 153219
- email: chris@bores.com

About us

BORES Signal Processing train managers, engineers and programmers to understand and use DSP and streaming media processing.

- established 17 years
- excellent reputation
- worldwide activities
- www.bores.com