UHAPI Forum

Introduction

January 26th 2005

Jeroen Brouwer

www.uhapi.org

Outline

- **Overview of UHAPI Forum**
  - Members
  - Objective
  - Roadmap and deliverables

  Jeroen Brouwer

- **UHAPI Technical session**
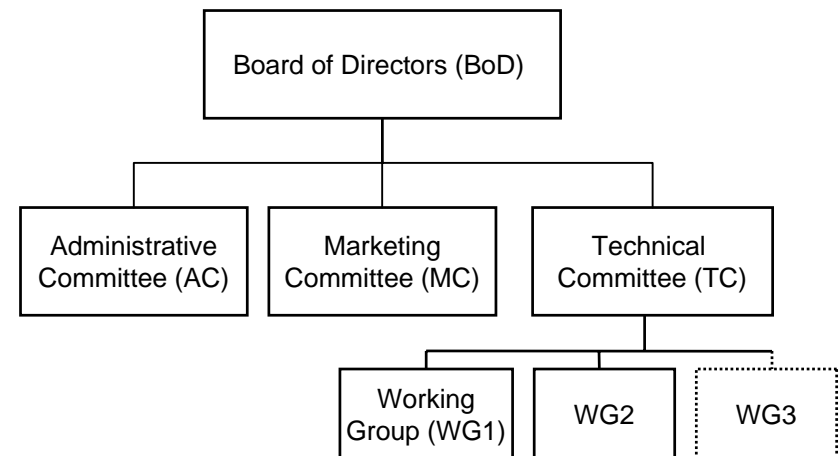 - Architecture
  - Specification
  - Example

  John Vugts

UHAPI Forum

Started Nov 1st:

- **Access**
- **DTVIA**
- **HP**
- **Philips**
- **Samsung**

Recent additions:

- **Mediabolic**
- **AtosOrigin**
- **Bores Signal Processing**

Board of Directors (BoD)

Administrative Committee (AC)

Marketing Committee (MC)

Technical Committee (TC)

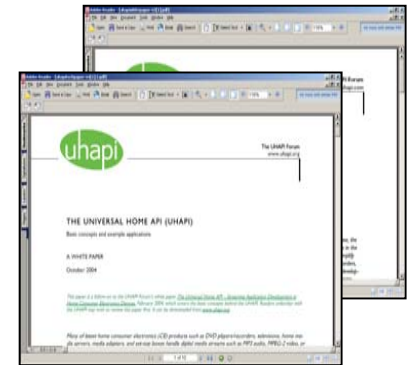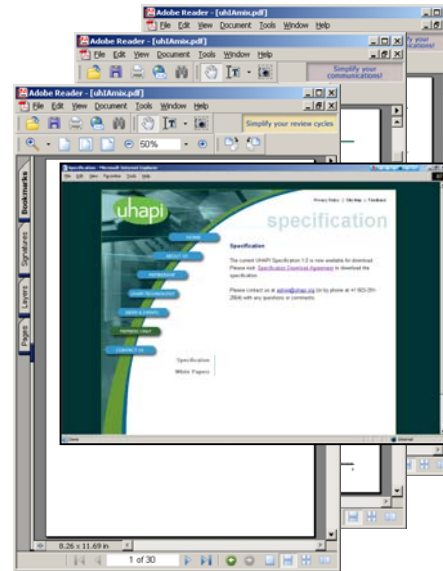Working Group (WG1)

WG2

WG3

UHAPI Forum Objectives

- **Enable the emergence of a cross-platform cross-vendor software industry for middleware & applications**
  - Software non-differentiating for CE or Semiconductor companies
  - Create industry alignment on Audio/Video API for consumer products

- **Deliver Audio/Video API suited for the CE industry**
  - Very well described, very well documented
  - Complete enough for CE manufacturers and their software partners to develop their software
  - Use accepted and required mechanisms for Error handling, Notifications, binding and so on
  - Hardware independent
  - Retain room for individual product differentiating
    - E.g. proprietary picture algorithms, specific decoders etc.
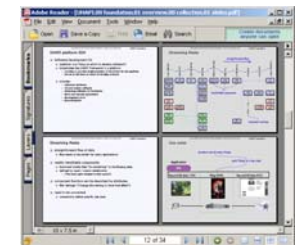   - Differentiating software applications

UHAPI Forum deliverables
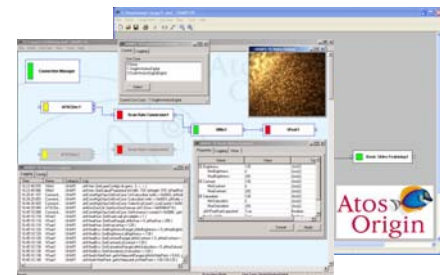
- **UHAPI Forum delivers**
  - UHAPI Architecture documentation
  - UHAPI Specifications
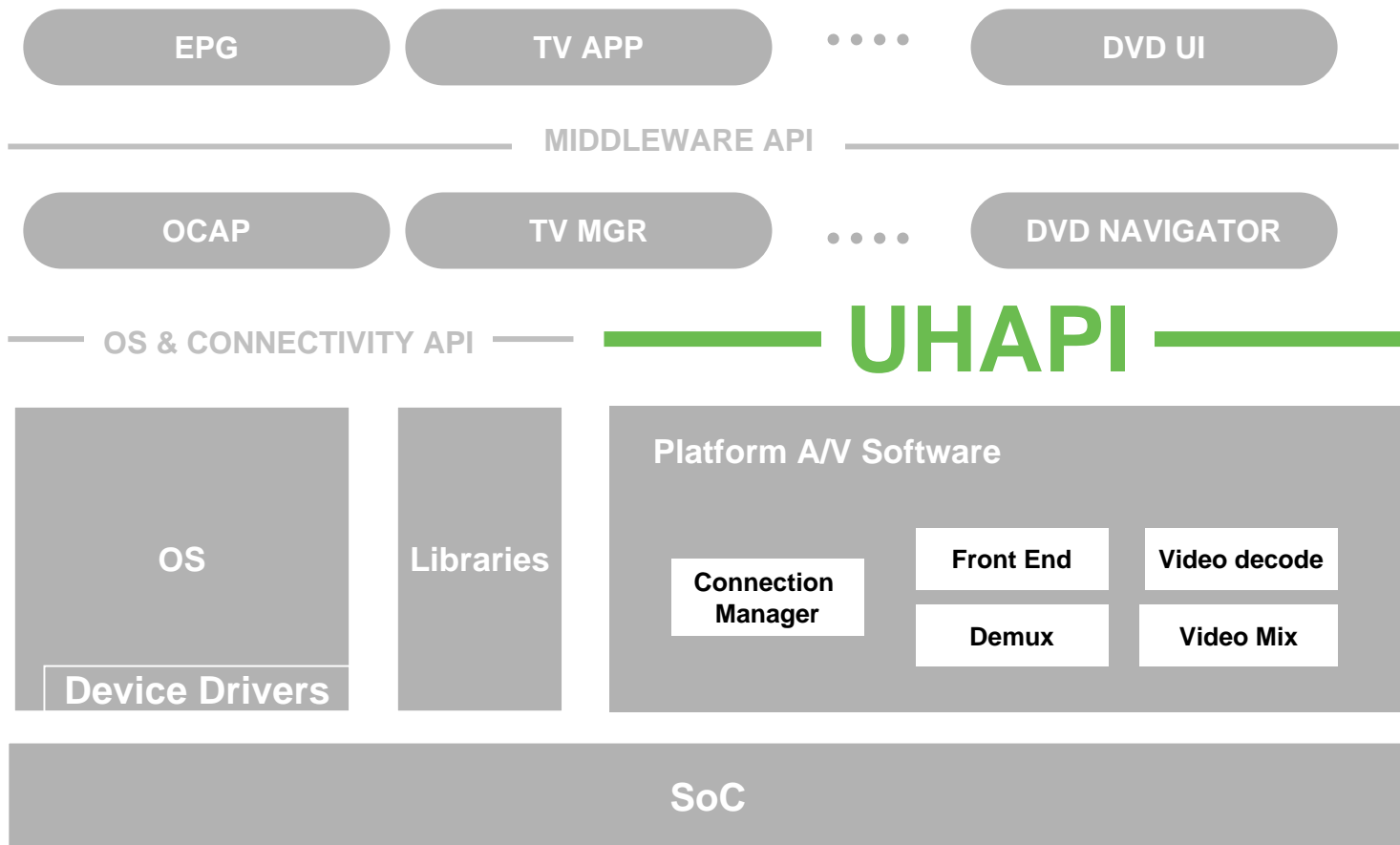 - White papers

- **Member companies add**
  - UHAPI compliant semiconductor solutions
  - UHAPI compliant software solutions
  - AtosOrigin: UHAPI simulator on PC environment
  - Bores Signal Processing: UHAPI training classes

UHAPI Scope

Position of UHAPI in the Software Stack

UHAPI Scope

- **UHAPI Specification is complementary to the Linux Operating System**
  - UHAPI does not (re-)define existing specification or standards
    - Filesystem, Connectivity

- **UHAPI Specifications are open and available also to non-UHAPI-Forum-members**
  - Anyone can download the UHAPI 1.0 Specification at no cost www.uhapi.org
  - UHAPI 1.0 Specification is royalty free
  - UHAPI Forum is non-profit organization, open for new members

UHAPI Roadmap

- **First focus: Consumer Home devices with A/V processing**

- **UHAPI 1.0 released January 5th 2005**
  - Digital TV ATSC
  - Also includes all Analog TV functions

- **Working on additions for**
  - Digital Cable Uni- and Bi-directional
  - Digital TV DVB (Draft)
  - Personal Video Recording (Draft)
  - DVD Recording & Playback

- **Planned additions for**
  - DLNA UPnP AV
  - DRM / content protection