

# Training

## *WDF Driver Development*



## Agenda

### 1.Day

Start 9:00 AM

#### UB1

- Introduction / Greetings
- Windows System Architecture

Pause

#### UB2

- Windows LEGACY Driver Architecture
- Windows WDM Driver Architecture

Lunch

#### UB3

- WDK Design and Reference
- WDM Developing Environment
- Driver Objects

Pause

#### UB4

- Application <-> Device communication
- Application <-> Device Data Transfer

End: 4:00 PM

# Training

## *WDF Driver Development*



## Agenda

### 2.Day

Start 9:00 AM

#### UB1

- Kernel Mode Driver Framework (KMDF)
- Supported Devices

Pause

#### UB2

- KMDF Objects
- KMDF Object Types

Lunch

#### UB3

- KMDF I/O Model
- KMDF Dispatch Types

Pause

#### UB4

- KMDF DriverEntry
- KMDF Developing Environment

End: 4:00 PM

# Training

## *WDF Driver Development*



## Agenda

### 3.Day

Start 9:00 AM

#### UB1

- (Non-) PNP Bus Systems
- Device Parameters
- Ressource Assignment

Pause

#### UB2

- IO-Port Access
- Physical Memory

Lunch

#### UB3

- DMA Methods
- DMA Transfer

Pause

#### UB4

- Interrupt Management

End: 4:00 PM

# Training

## *WDF Driver Development*



## Agenda

### 4.Day

Start 9:00 AM

#### UB1

- User Mode Driver Framework (UMDF)

Pause

#### UB2

- UMDF Stack Architecture
- UMDF USB Filterstack

Lunch

#### UB3

- UMDF COM Interface
- UMDF COM Objects

Pause

#### UB4

- UMDF DLL Entry Point
- UMDF Developing Environment

End: 4:00 PM

# Training

## *WDF Driver Development*



## Agenda

5.Day

Start 9:00 AM

### UB1

- Timer Handling
- Event Handling

Pause

### UB2

- PLUG & PLAY Management
- POWER-Management

Lunch

### UB3

- INF-Files

Pause

### UB4

- Code Signing

End: 3:00 PM