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Overview Modern DRAM Architecture

Training

Let MindShare Bring "Overview Modern DRAM Architecture" to Life for You

Ever since Intel introduced DRAM memory, it has evolved in size, density, speed and architecture. DRAMs used in computers have ranged from asynchronous DRAMs through today's DDR3 SDRAMs. MindShare's Overview to Modern DRAM Technology Architecture course is a survey of DRAM technology with greater emphasis placed on DDR2 and DDR3 DRAM technology.

You Will Learn:

- How a DRAM cell is organized and works
- Interface signals between a DRAM controller and DRAMs
- Organization of a memory module
- How to understand a simple DDR read/write transaction

Course Length: 0.5 day

Who Should Attend?

This course is designed for project managers, FAE and marketing/sales personnel. Anyone who needs an understanding of how DRAMs work at an overview level will benefit from this course.

Course Outline:

- DRAM Introduction
- DRAM Chip and Module Overview
- SDRAM Overview
- DDR1 Overview
- DDR2 Overview
- DDR3 Overview
- System Design Challenges
- DRAM Controller implementation
- Overview Other Memory Technologies

Recommended Prerequisites:

A basic understanding of computer architecture.

Training Materials:

Students will be provided with a hard- and soft- copy of presentation material used in class.

MINDSHARE
BRINGING LIFE TO KNOWLEDGE

world-class technical training

Are your company's technical training needs being addressed in the most effective manner?

MindShare has over 25 years experience in conducting technical training on cutting-edge technologies. We understand the challenges companies have when searching for quality, effective training which reduces the students' time away from work and provides cost-effective alternatives. MindShare offers many flexible solutions to meet those needs. Our courses are taught by highly-skilled, enthusiastic, knowledgeable and experienced instructors. We bring life to knowledge through a wide variety of learning methods and delivery options.

training that fits your needs

MindShare recognizes and addresses your company's technical training issues with:

- Scalable cost training
- Just-in-time training
- Training in a classroom, at your cubicle or home office
- Customizable training options
- Overview and advanced topic courses
- Reducing time away from work
- Training delivered effectively globally
- Concurrently delivered multiple-site training

MindShare training courses expand your technical skillset

- PCI Express 2.0®
- Intel Core 2 Processor Architecture
- AMD Opteron Processor Architecture
- Intel 64 and IA-32 Software Architecture
- Intel PC and Chipset Architecture
- PC Virtualization
- USB 2.0
- Wireless USB
- Serial ATA (SATA)

- Serial Attached SCSI (SAS)
- DDR2/DDR3 DRAM Technology
- PC BIOS Firmware
- High-Speed Design
- Windows Internals and Drivers
- Linux Fundamentals
- ... and many more.

All courses can be customized to meet your group's needs. Detailed course outlines can be found at **www.mindshare.com**

bringing life to knowledge.

real-world tech training put into practice worldwide

MindShare Learning Options

MindShare Classroom

In-House Training

Public Training

Classroom Training

Invite MindShare to train you in-house, or sign-up to attend one of our many public classes held throughout the year and around the world. No more boring classes, the 'MindShare Experience' is sure to keep you engaged.

MindShare Virtual Classroom

Virtual In-House Training

Virtual Public Training

Virtual Classroom Training

The majority of our courses live over the web in an interactive environment with WebEx and a phone bridge. We deliver training cost-effectively across multiple sites and time zones. Imagine being trained in your cubicle or home office and avoiding the hassle of travel. Contact us to attend one of our public virtual classes.

MindShare eLearning

Intro eLearning Modules

Comprehensive eLearning Modules

eLearning Module Training

MindShare is also an eLearning company. Our growing list of interactive eLearning modules include:

- **Intro to Virtualization Technology**
- **Intro to IO Virtualization**
- **Intro to PCI Express 2.0 Updates**
- **PCI Express 2.0**
- **USB 2.0**
- **AMD Opteron Processor Architecture**
- **Virtualization Technology ...and more**

MindShare Press

Books

eBooks

MindShare Press

Purchase our books and eBooks or publish your own content through us. MindShare has authored over 25 books and the list is growing. Let us help make your book project a successful one.

Engage MindShare

Have knowledge that you want to bring to life? MindShare will work with you to "Bring Your Knowledge to Life." Engage us to transform your knowledge and design courses that can be delivered in classroom or virtual classroom settings, create online eLearning modules, or publish a book that you author.

We are proud to be the preferred training provider at an extensive list of clients that include:

ADAPTEC • AMD • AGILENT TECHNOLOGIES • APPLE • BROADCOM • CADENCE • CRAY • CISCO • DELL • FREESCALE
GENERAL DYNAMICS • HP • IBM • KODAK • LSI LOGIC • MOTOROLA • MICROSOFT • NASA • NATIONAL SEMICONDUCTOR
NETAPP • NOKIA • NVIDIA • PLX TECHNOLOGY • QLOGIC • SIEMENS • SUN MICROSYSTEMS SYNOPSYS • TI • UNISYS