

## Custom Training for AMIBIOS<sup>®</sup> 8 Porting

### Tailored to Each Customer's Needs

#### Flexible Training Agenda

- Scaled to match the audience's skill level
- Module labs are based on source components licensed by the customer
- Customer hardware can be used for the training platform, combining board bring-up with training

### Worldwide Coverage

#### Pick your training location

- On-site training is available, bringing AMI's expertise to your location
- Train at AMI's home office, giving your software team access to core developers for advanced questions

### Builds Upon Core AMIBIOS8 Training

#### Four major units

- Basic BIOS Concepts
- Introduction to AMIBIOS8
- Module Lab
- Advanced BIOS Programming

#### Expanded with optional units

- AMIBIOS8 Support Utilities
- Porting OEM features to custom eModules
- AMI Debugger
- Contact an AMI software sales representative for more information

### Flexible Training Programs, Tailored to the Customer

In a world of standardized hardware, the BIOS is one of the few places where developers can still add unique value to the platform. Short product cycles mean that developers must quickly master their BIOS development tools.

AMIBIOS8 source customers can choose among flexible training modules, which are organized and administered by highly specialized engineering personnel. Courses last from one to five days, conducted at a customer facility or AMI office.

### Flexible Program Organization

AMIBIOS8 training aims to provide a complete framework of BIOS fundamentals, as well as tips & tricks for implementation. AMI offers multiple levels of training, which can be grouped to provide extensive coverage of the AMIBIOS8 toolkit. Training programs are defined based on customer requirements. The core course develops a full introduction to BIOS development, the AMIBIOS8 architecture and development tools:

- > Introduction to AMIBIOS8: core design & eModule architecture
- > Introduction to the Visual eBIOS (VeB) integrated development environment
- > Component Information Files (CIF) and BIOS project management
- > Using AMI System Description Language (SDL) to configure an AMIBIOS8 project
- > Project management & source control methods using VeB
- > Using AMIBIOS8 support utilities (AMIBCP, MMTool, DMIEdit, ChangeLogo, ...)

### Hands-On Training

AMI's training makes extensive use of the 'hands-on' lab, a walk through of an actual implementation of the VeB, CIF, SDL, source control, setup, and multi-language lectures. Training modules provide a detailed introduction to AMIBIOS8 porting techniques:

- > Platform porting based on the Customer Reference Board (CRB) BIOS
- > Customizing setup using the AMI Setup Script Processor (SSP)
- > Configuring multi-language support in AMIBIOS8 POST & Setup
- > Bus enumeration & the AMI Device Initialization Manager (DIM)
- > AMI Flexboot & the BIOS Boot Specification (BBS)
- > Porting routines for bootblock, POST & SMI
- > ACPI eModule porting & troubleshooting
- > USB eModule design & implementation
- > SMBIOS eModule design & configuration
- > Using AMI Debugger for source-level debugging
- > Creating custom eModules for OEM features

*Superior engineering has been the cornerstone of AMIBIOS<sup>®</sup> since 1986. AMIBIOS8 extends this experience into another generation of x86 platforms, offering innovative solutions anchored on innovative development tools and widely recognized industry standards.*

For more information, visit [www.ami.com/amibios8](http://www.ami.com/amibios8)



American Megatrends Inc.  
6145-F Northbelt Parkway  
Norcross GA 30071 | t: 770.246.8600  
Sales & Product Information  
[swsales@ami.com](mailto:swsales@ami.com) | t: 800.828.9264  
Technical Support  
[support@ami.com](mailto:support@ami.com) | t: 770.246.8645  
[www.ami.com](http://www.ami.com)