



# State of UEFI

Spring 2017 UEFI Seminar and Plugfest

Presented by

Mark Doran, President of the UEFI Forum

# Agenda



- Event Overview
- The UEFI Forum
- Specifications Update
- Summary
- Questions





# Event Overview



# Attendees



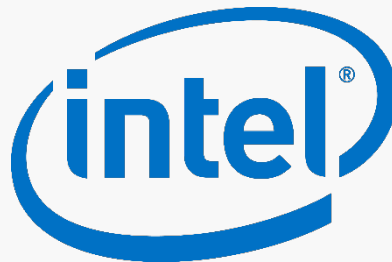
- 205 attendees
  - 186 members
  - 13 non-members, press and VIPs
  - 46 companies represented

# Welcome New Members Adopters



- AAEON Technology Inc.
- AlterScience
- Centerm Information Co., Ltd.
- Chunghsin Industry Group
- Dawning Information Industry (Beijing) Corp., Ltd.
- HXT Semitech
- LCFC
- MediCapture, Inc.
- Montage-Tech
- New H3C Technologies Co., Ltd.
- Ruijie Networks
- Shanghai Advanced Research Institute
- Shanghai IP3 Technology Co., Ltd.
- Shubo Tian
- TYA Company
- VIA Alliance Semiconductor Co., Ltd.
- Wuhan University
- Xie Tainming
- Zhejiang Dahua Technology Co., Ltd.

# Sponsors

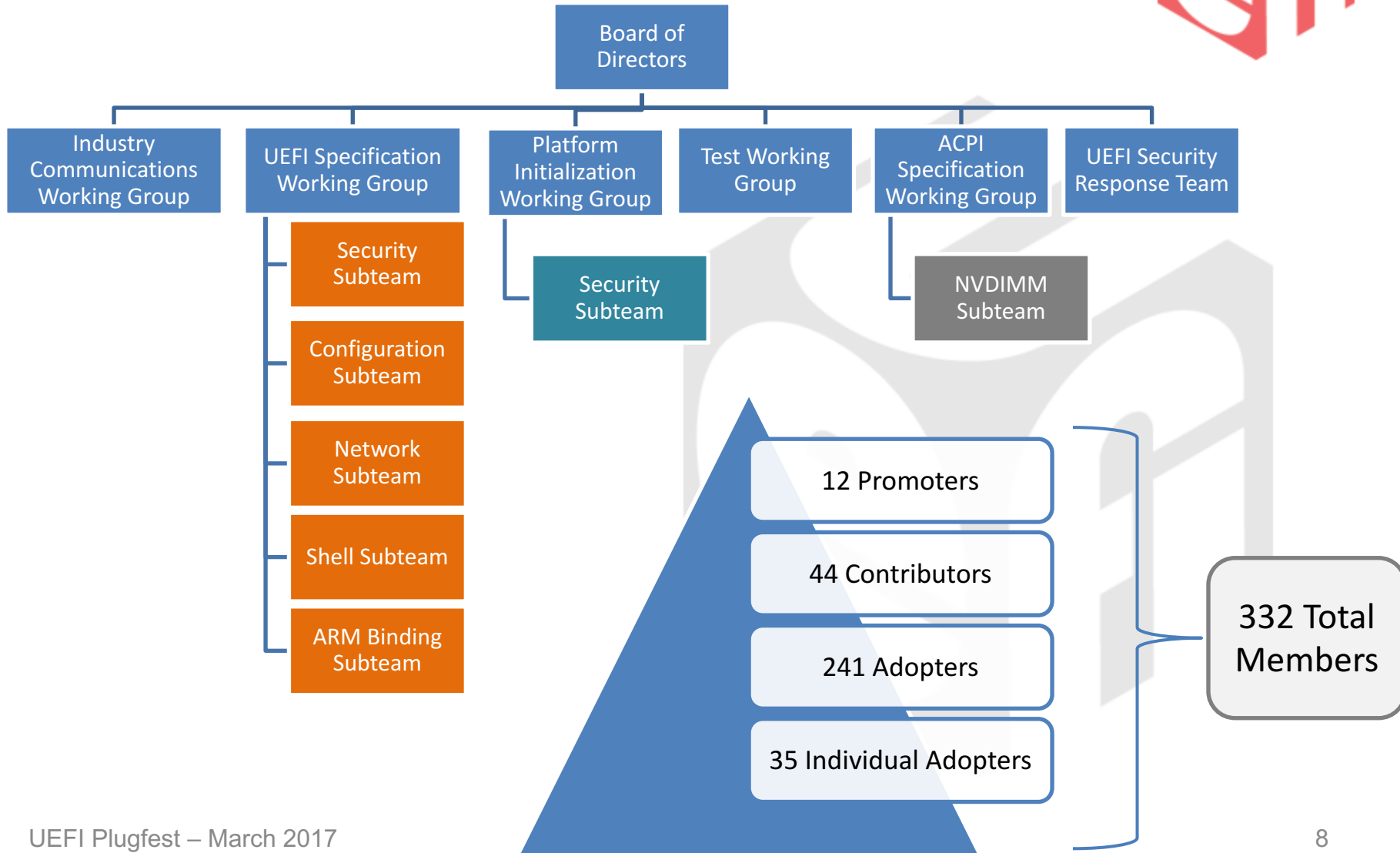




# The UEFI Forum



# UEFI Forum Overview





# UEFI Historical Milestones



2005

The UEFI Forum founded

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2008

Apple adopts UEFI firmware;  
HP notebook and desktop platforms include UEFI

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2009

UEFI Specification includes ARM architecture

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2010

Secure Boot included in UEFI specification

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2011

Linux Foundation joins the Forum

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2012

Microsoft Windows 8 requires UEFI for its certification logo

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2014

The UEFI Forum begins management of Advanced  
Configuration and Power Interface (ACPI) Specification

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2015

PC hardware predominantly ships with UEFI

# UEFI Today and Beyond



2017

- Industry-wide cooperation and support
  - 332 members companies and individual
  - Common framework allowing developers to scale as needed
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Future

- Continuous evolution across a range of platforms and enables secure cross-functionality
- Critical enabling factor helping drive research and innovation



# Specification Update



# Latest Specifications



UEFI Specification v2.6 (January 2016)

ACPI Specification v6.1 (January 2016)

UEFI Shell Specification v2.2 (January 2016)

PI Packaging Specification v1.1 (January 2016)

UEFI PI Specification v1.5 (July 2016)

# Upcoming 2017



Non-volatile memory across specifications

Broad architecture support continues

Self Certified Testing (SCT) update



# Summary



# Summary



- The UEFI Specification provides interfaces and mechanisms to allow for support of new technologies and improved development
- The UEFI Specification supports a more secure system, a faster boot time, improved performance, and platform feature innovation
- The UEFI Specification increases efficiency by allowing developers to reuse code and allows for extensibility, modularity and easy prototyping during development

# The UEFI Forum Fall 2017 Plugfest



- Taipei, Taiwan – October 2017
- More details coming soon on [UEFI.org](http://UEFI.org).







**Questions?**





# Event Schedule



# Event Schedule

	Tuesday	Wednesday	Thursday
9:00am	Welcome & State of UEFI	UEFI and IoT: Best Practices in Developing IoT Solutions	TESTING
10:00am	Keynote: China Information Technology Ecosystem	TESTING	
11:00am	ARM Updates	Establishing and Protecting a Chain of Trust with UEFI	Lessons Learned from Implementing a Wi-Fi and BT Stack
12:00pm	LUNCH	LUNCH	LUNCH
1:00pm	ARM Server's FW Security	Implementation of Type 1 Hypervisor in UEFI Firmware	UEFI Development Anti-Patterns
	TESTING	TESTING	TESTING
2:00pm	SMM Protection in EDKII	Tea Break	Tea Break
2:15pm		TESTING	TESTING
3:00pm	Tea Break		
3:15pm	Server RAS and UEFI CPER		
4:00pm			
4:15pm	A More Secure and Better User Experience for OS-based Firmware Update		
5:00pm			
5:15pm			

Thanks for attending the Spring  
2017 UEFI Seminar and Plugfest



For more information on the  
UEFI Forum and UEFI  
Specifications, visit  
<http://www.uefi.org>

*presented by*

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