

## IEEE 1149.10 High Speed JTAG Working Group Minutes

### **Date – 07/25/2016**

**Attendees:** CJ Clark, Adam Ley, Bill Tuthill, Brian Turmelle, Craig Stephan, Dharma Konda, Gobinathan Athimolom, Gurgen Harutyunyan, Heiko Ehrenburg, Jon Colburn, Josh Ferry, Marc Hutner, Mike Ricchetti, Steve Sunter, Tapan J Chakraborty,

### **Absent with Excuse:**

**Missing:** Bill Huott, Carol Pyron, Jim Wilson, Kent Ng, Kevin Gorman, Tom Wayers, Dave Armstrong, Roger Sowada, Zahi Abuhanmdeh, Teresa McLaurin, Philippe Lebourg, John Braden, Saman Adham, Frans de Jong, JF Cote, Bob Gottlieb, Dwayne Burek, Ismed Hartanto,

### **Agenda:**

- 1) Patent Slides

### **Meeting Called to order at 11:06 am EDT**

#### **Minutes:**

Review Patent Slide – Slides Presented to the Group.

Solicited input from anybody who is aware of patents that might read on our standard.

No responses noted.

Update from editor on standard

Should we push for August 5<sup>th</sup> REVCOM coming up.

If miss we would have to go to December REVCOM

PAR expires December 2017

Feeling is that there is no need to rush into getting draft to REVCOM in August.

No challenging comments that need resolving. Just time needed to make edits.

If anyone wants to offer assistance to the editor, send a private email to the editor.

New Business – No new Business

**Motion to Adjourn – Craig**

**Seconded – Bill**

**Meeting adjourned: 11:24 pm EDT**

#### **Next Meeting:**

August 1<sup>st</sup>, 2016 11:00am

***Motion Summary***

***0 motions made***

***Action Items***

***Bill Tuthill—10-21-2013—Add minutes and Attendance spreadsheet to the website.***

***CJ—11-11-2013—Reach out to ATE industry and Probe Industry to get update on future of ATE equipment to see which data speeds and protocols they are heading towards.***

***Philippe—Look into alternative method to create control information (pause, start, terminate, etc.) rather than using K characters in packet.***

***Bob—create a case study to show use of Attributes***

***Frans—will start some block diagrams of a simple use case to help illustrate the current architecture***

***Dwayne—present to the group his ideas for a simplified scheme—Direct Interface.***

***Adam—invite someone from IEEE to speak on IEEE benefits of standardization at WG meeting***

Call for Essential Patent notes

Adam Ley 12/1/2014

PN, TTL, AN

7348796, METHOD AND SYSTEM FOR NETWORK-ON-CHIP AND OTHER INTEGRATED CIRCUIT ARCHITECTURES, DAFCA INC.

Steve Sunter 11/17/2014

1. US 7610532 "Serializer/de-serializer bus controller interface" Avago, granted 2009
2. US 7739567 "Utilizing serializer-deserializer transmit and receive pads for parallel scan test data" Avago, granted 2010
3. US 8543876 "Method and apparatus for serial scan test data delivery" Altera, granted 2014

NOTES:

1149.10 working group website - <http://grouper.ieee.org/groups/1149/10/>

Here is the WebEx conference link.

<https://meetings.webex.com/collabs/meetings/join?uuid=MAG12PB7HN5W24AM2EOKIOM9KS-KERT>

You can use VOIP on your computer or dial-in using the phone number below.

Audio Connection

+1-415-655-0001

Access code: 194 196 960

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