

To: T10 Technical Committee  
From: Rob Elliott, HP (elliott@hp.com)  
Date: 17 May 2005  
Subject: 05-196r1 SAS-2 Physical WG agenda May 25-26

**Hotel**

Hilton Garden Inn  
7979 Willow Chase Boulevard, Houston, Texas, United States 77070  
Tel: 1-832-912-1000 Fax: 1-832-912-1025  
Tel: 1-877-STAYHGI (1-877-782-9444)  
<http://www.houstonnorthwest.gardeninn.com>

Group Name: HP T10 Ad Hoc 6G  
Room: \$99.00  
Reservation Cut off Date: May 18, 2005  
Extra Person Charge: \$10.00

All reservations must be guaranteed to a credit card or to company (if approved for billing). Those reservations not canceled by 6:00PM (24 hours prior to arrival) will be billed accordingly.

**Driving Directions**

Exit Bush IAH Airport on JFK Blvd (3.4 miles)  
Turn right on Beltway 8/Sam Houston Parkway (westbound, toward I-45)(4.5 miles)  
Sam Houston Parkway becomes Sam Houston Tollway (\$1.25 for toll, or use the feeder/frontage road) (5.7 miles)  
Take Highway 249 North  
Exit F.M. 1960  
Proceed north on Highway 249 feeder/frontage road  
Hilton Garden Inn is on the right (East) behind Sam's Club across the street from Methodist Hospital

**References**

<http://www.ieee802.org/3> - Ethernet  
<http://www.ieee802.org/3/ab> - Gigabit Ethernet over Cat-5 (1000BASE-T)  
<http://www.ieee802.org/3/ae> - 10 Gigabit Ethernet  
<http://www.ieee802.org/3/ak> - Gigabit Ethernet over InfiniBand cables (10GBASE-CX4)  
<http://www.ieee802.org/3/an> - 10 Gigabit Ethernet over Cat-6 (10GBASE-T)  
<http://www.ieee802.org/3/ap> - Backplane Ethernet  
<http://www.ieee802.org/3/aq> - 10 Gigabit Ethernet over long reach multimode fiber (10GBASE-LRM)  
<http://www.oiforum.com/public/link-layer.html> - Optical Interconnect Forum (OIF) Common Electrical I/O (CEI) Physical and Link Layer (PLL) Working Group  
<http://www.t11.org> - INCITS T11 Fibre Channel  
<http://www.rapidio.org> - Rapid I/O Trade Association  
<http://www.stateye.org> - StatEye  
<http://www.sata-io.org> - Serial ATA International Organization  
<http://www.eecg.toronto.edu/~johns/nobots/courses/ece1392/equalization2.pdf> - Prof. David Johns (Univ Toronto) Tutorial on Equalization

**Map**

The map is not at all to scale, but shows the restaurants and major stores near the hotel.

Table 1 — Agenda for SAS physical WG May 25-26

Time	Topic
<b>Wednesday 25 May 2005</b>	
<b>Background on other high-speed serial technologies</b>	
9:00 am	Survey of high-speed serial technologies [Yuriy Greshishev, PMC Sierra]
10:00 am	IEEE 802.3ab (Gigabit Ethernet: 1000BASE-T) and IEEE 802.3an (10 Gigabit Ethernet: 10GBASE-T) [Nick Van Bavel, Vitesse]
10:30 am	IEEE 802.3aq (10 Gigabit Ethernet on FDDI-grade MMF cable: 10GBASE-LRM) [Kevin Witt, Vitesse]
11:00 am	IEEE 802.3ap (Backplane Ethernet) 1 Gbps/10 Gbps [Ali Ghiasi, Broadcom]
11:45 am	Lunch
12:45 pm	INCITS T11 Fibre Channel 8 Gbps [Bill Ham, HP]
1:45 pm	OIF CEI-6G-LR and CEI-11G-LR [Yuriy Greshishev, PMC Sierra and Mike Lerer, Rapid Prototypes]
3:45 pm	Rapid I/O Trade Association Next Gen Phy Efforts [Mike Lerer, Rapid Prototypes]
<b>Tutorials</b>	
4:30 pm	StatEye tutorial [Harvey Newman, Infineon]
6:00 pm	Adjourn
<b>Thursday 26 May 2005</b>	
<b>6 Gbps test chip results</b>	
8:00 am	6G Test results [Kevin Witt, Vitesse]
8:30 am	PMC QuadPHY 6G device [Yuriy Greshishev, PMC Sierra]
9:15 am	6G Data over Legacy Backplanes [Mike Jenkins, LSI Logic]
10:00 am	OIF backplane at 6 Gbps and 11 Gbps [Galen Fromm, Molex]
<b>Proposals</b>	
10:45 am	SAS 6 Gbps proposal based on OIF CEI 6G-LR [Mike Jenkins, LSI Logic]
11:45 am	SAS 6 Gbps specification framework [Kevin Witt, Vitesse]
12:00 pm	Lunch
<b>Considerations</b>	
1:00 pm	Mini SAS 4i/4x connector performance at 6 Gbps [Galen Fromm, Molex]
2:00 pm	Problems with PAM4, linear equalization, PR2, PR4, etc. [Mike Jenkins, LSI Logic]
3:00 pm	OOB challenges at 6Gb/s: scale or not to scale OOB signaling rate [Yuriy Greshishev, PMC-Sierra]
3:30 pm	System design considerations [Barry Olawsky, HP]
5:00 pm	Adjourn

