# LVDS Application Workshop

*29 June 2011, ESCAPE Dance Room, ESTEC, Noordwijk, The Netherlands*

## Workshop Programme:

**9:00** **Welcome** *(Martin Suess, ESA)*

**9:10** **Component Suppliers LVDS Portfolio and Roadmaps:**

- Aeroflex - LVDS Product Family *(Jennifer Larsen, Aeroflex Colorado Springs)*
- Texas Instruments – LVDS Space Products *(Yannis Willgers, TI)*
- ST LVDS for Aerospace *(Thibault Brunet, ST)*
- 3D Plus – LVDS Product Family *(Pierre Xiao WANG, 3D Plus)*
- DARE180 LVDS Cells: Status & Future Developments *(Thys Geert, IMEC)*
- Atmel – Wind-Up Report *(Bernard Bancelin, Atmel)*

**10:45** **Coffee break**

**11:00** **ESA project experiences:**

- LVDS - GAIA experiences *(Sam Verstan, ESA)*
- ESA SpW-10X LVDS Signalling Discrepancies Experienced in BepiColombo Project *(J. Noyes, ESA)*

**11:50** **LVDS investigations performed at ESA:**

- Test of LVDS components used inside an OBC at ESA *(Giorgio Magistrati, ESA)*
- Test on SpW Router and Aeroflex Drivers/Receivers for BepiColombo *(Giorgio Magistrati, ESA)* (starting page 21 of same presentation)
- ESA's Requirements for future LVDS *(Jørgen Ilstad, ESA)*
- Discussion

**13:00** **Lunch break**

**14:00** **LVDS Testing:**

- LVDS testing, EMC & ESD, best practice *(Steve Parkes, UoD)*

**14:30** **Equipment Supplier's View**

- Problem areas and lessons learned when designing with LVDS *(Pasquale Lombardi, Syderal)*
- European LVDS Application Workshop -TAS-I contribution *(Gianluca Aranci, TAS-I)*
- RUAG Space experience with LVDS interfaces *(Hans Corin, RUAG)*

**15:15** **System Integrator's View**

- The Use of LVDS on Astrium Satellites *(Rajan Bedi, Astrium Ltd)*
- LVDS fields of application at TAS, difficulties encountered and expectations for the future *(Jean-Marie Garigue, TAS-F)*

**16:00** **Coffee break**

**16:15** **Discussion & Conclusions** *(Martin Suess, ESA)*