EURIPIDES Forum 2010 in Paris

COSY-3D - EURIPIDES 07-302

COmpact Secure SYstem in 3D

September 30th – October 1st, 2010 in Paris

Objectives:

Collaboration with industrial, research centres and academia to create an innovative, highly secure and portable intelligent system, for:







- advanced telephony,
- multimedia,
- secure transactions,
- enterprise access (digital & physical).







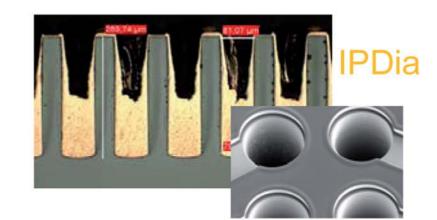






Solutions;

- Structured 3D system enable the functions of Memory & CPU in smallest volume as possible.(LETI/GTO/Datacon)
- Stable MEMs based Oscillator for USB (48MHz) (VTI/VTT/UAB)
- Si Integrated Capacitor (PICS). Enlarge Capacity/mm² (250nF).
- Comparison between vias in Si/vias in Polymer (Via Belt).
- •All of these components will be integrated in a vertical manner at Wafer Level; "Front Side Connected Die Stacking" (Gemalto-Assembly/LETI-ViaBelt/IPDIA-TSV/EMSE-Jetting&Modelisation/Datacon)
- → and will exhibit very short, vertical low capacitance interconnections with associated performance improvements over more conventional MCM approaches.(Testing Applus/Gemalto)





Integration Wafer Level

