EURIPIDES **Forum 2010** in Paris

IPITECH

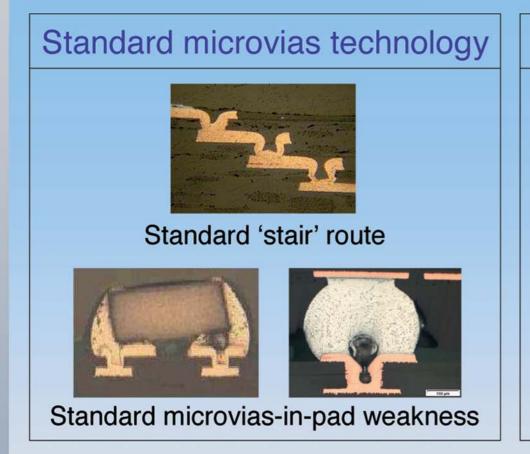
Innovative PCB Integration Technologies for HDI Boards in Harsh Environment

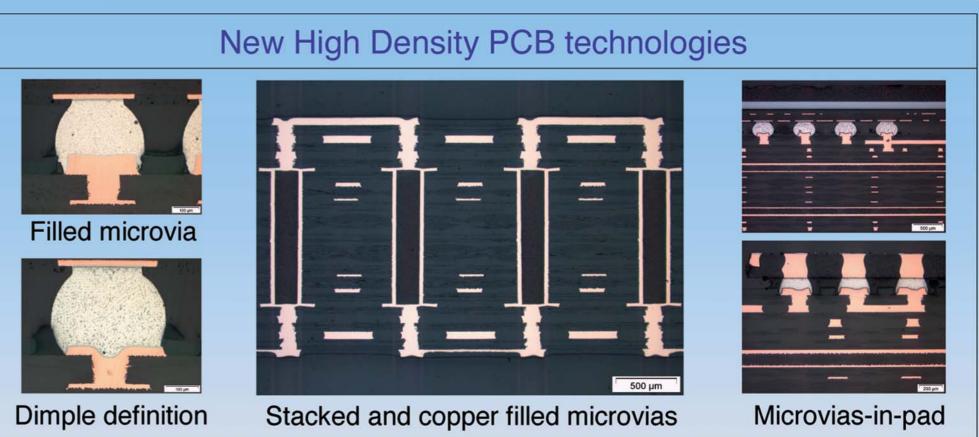
September 30th – October 1st, 2010 in Paris

Objectives

- Assess, adapt and validate new High Density PCB technologies in HARSH ENVIRONMENTS
 - Copper filled microvias
 - Stacked-microvias
 - Microvias-in-pad
- ☐ Assess the impact of these new technologies on Signal Integrity
 - > Define by an experimental approach the contributions of the IPITECH technology on Signal Integrity
 - > Establish new design rules to ensure reliable multi-gigahertz data transmissions

Microvia Technology

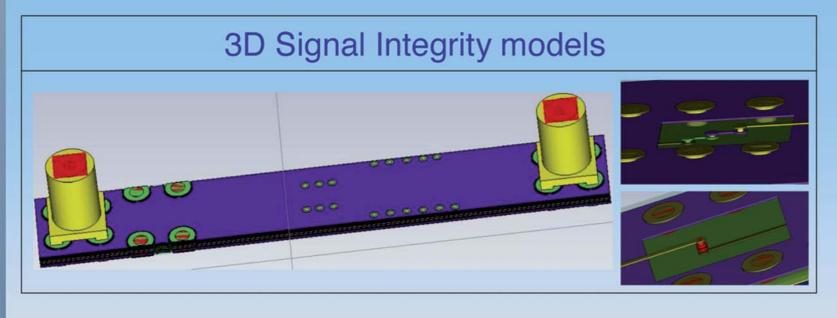




Technical Advantages

- ☐ Route BGA with a pitch as small as 0.4 or 0.5 mm
- ☐ Allow densification of routing and surface components
- ☐ Improve the thermal impedance of vias

Signal and Power Integrity



Technical Advantages

- □ Reduce line impedance discontinuities
- ☐ Improve the integrity of powers planes

