**WS101:**

*PCB Design and Hyperlynx the Way to Virtual Prototype Analysis*

*By*

*Mohamed Mohie*

**Abstract:**

Fundamentally, the PCB is central to systems development. It can have a dramatic impact on product performance, cost and quality; the PCB represents 31% of the overall product cost. The PCB is also the hub of collaboration during systems development – including FPGA, PCB, mechanical, PLM/enterprise, and manufacturing. The PCB process provides a major focal point through which to drive productivity initiatives that will have a strong impact on the system’s cost and design time. Mentor provide a complete comprehensive PCB solution starting from Superior schematic design, Extensive PCB layout, best-in-class analysis products that reduce board spins and costs. We shall present, Mentor PADS PCB solution which is the most widely used desktop PCB design environment in the world, giving electronic engineers everything they need to get the job done.

- Mentronix, Egypt