I-Manufacturing

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Abstract :

The competitive environment has escalated in recent years with the emergence of China and world-Wide accessibility through Internet. This has exerted extreme pressure on manufacturing operations to simultaneously improve quality, productivity and cost at a much faster rate. The term I-manufacturing is an Holistic systemic approach to operations and deals with the challenges of process robustness, simplification and standardization through process Automation, streamlining and integration where possible in a sub-con environment which deals with high variety.

Speaker's Biography :

Sharon Ko is currently the General Manager of Carsem (M-site) which is situated in Ipoh, Malaysia. She has over 16 years of diversified experience holding various roles within the semiconductor industry in the areas of development, manufacturing, technical research, process engineering and operations. Prior to Carsem, she has worked for Siemens Semiconductors (currently known as Infineon) and National Semiconductor (currently TI). She is the holder of 12 patents, most of which are related to the MLP package as she was one of the pioneers during the early development of this package in the industry.

Sharon is a strong advocate of the continual improvement of both the technical and soft skills of engineers in semiconductor industry. Her efforts towards improving engineering excellence worldwide as a member of National Semiconductor Corporation's (NSC) Engineering Council (where she represented NSC's manufacturing plants in Malaysia, Singapore & China) resulted in NSC receiving the prestigious IEEE Educational Activities Board Employer Professional Development Award in 2006.

In 2004, she was awarded "Malaysia's Best Employee" which is a Malaysian national award presented by Malaysian Prime Minister, Datuk Seri Abdullah Badawi.

Sharon holds a B.S. in Physics & Computer Science and a Master of Science (1st Class Honors) in Physics from New Zealand.