

Invited Speech: **End-to-End Product Information Integration for the Semiconductor Industry**  
Mr. You-Min Lin, **Business Consultant** Siemens PLM Software

## About the Speaker

Mr. You-Min Lin is a business consultant of Siemens PLM Software with 25 years of industrial experience. His professional career was involved in the software development and consultations on business applications, industrial automation, supply chain management, global lot tracking, yield management, and product lifecycle management for both hi-tech and semiconductor industries. His current major interest is to define and develop the PLM solution template for the semiconductor industry.

## Abstract

The latest economic downturn has impacted the semiconductor industry. However, continuing proliferation of modern capitalism in countries like China, India and Russia, etc., will bolster the global economic growth in the next couple of years. The real challenge to the industry is to continue innovations by combining various computing, communication, material, and design technologies to improve the welfare of human beings. However, many large enterprises found that their product development processes were highly segregated and not well defined. There are a lot of intensive manual operations to push the engineering products into the market. The process largely relies on professional knowledge and good will, rather than observing a set of well-defined Standard Operation Procedures or through a well-established system. We see this as a huge barrier to achieving the goal of time-to-profit, especially for those large enterprises trying to expand their footprints in the value chain.

This presentation looks at the issues encountered during the entire process from IC design to manufacturing, identifies the requirements in each stage, and finally proposes a generic template of standard solutions for companies in the industry.