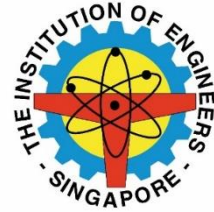


*Digital Manufacturing: Benefits and Significance  
Of Operational Simulation & Modelling  
Organized by Precision Engineering Technical Committee*



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<b>Date</b>	<b>: Wednesday, 23 May 2018</b>	<b>1815</b>	<b>: Registration + Dinner</b>
<b>Venue</b>	<b>: IES Seminar Room (Level 2)</b>	<b>1900 - 2100</b>	<b>: Technical Talk by Mr. Raju Battula</b>
<b>CPD</b>	<b>: PDU (Pending For Approval)</b>		
<b>Time</b>	<b>: 18.15 - 21.15</b>	<b>2100</b>	<b>: Q&amp;A</b>

**Synopsis**

From manual manufacturing processes, the industry today has made a shift towards Digital Manufacturing. Digital Manufacturing solutions help create 3D simulations of Plant design and functioning including men and machine interaction to help define the most efficient, safe, non-iterative, and non-interfering or hindrance free manufacturing processes. Right from Assembly lines, human ergonomic simulation, to Robotic Simulation, plant layout, etc. could be defined and analyzed virtually in the 3D environment.

Digital manufacturing software solutions which are discrete-event simulation tool that helps you to create digital models of logistic systems (such as production), so that you can explore a system's characteristics and optimize its performance. These digital models allow you to run experiments and what-if scenarios without disturbing existing production systems or – when used in the planning process – long before the real production systems are installed. The results provide you with the information needed to make fast, reliable, smarter decisions in the early stages of production planning.

Using Digital manufacturing software solutions, you can model and simulate production systems and their processes. In addition, you can optimize material flow, resource utilization and logistics for all levels of plant planning.

**Speaker's Profile**

Name: Raju Battula

Present Position: National Technical Support on NX CAD CAM, Tecnomatix and Sysweld.

Area of expertise: CAD, CAM, Tecnomatix

Research experiences: Robotics

Industry working experiences: BIW of Automotive

22 Years' experience

- Specialization in BIW Exteriors and Interiors
- High end assembly Integration
- Geometrical Dimensioning & Tolerancing (GD&T),
- Reverse Engineering and Re-Engineering.
- Knowledge in APQP – QFD, DFMEA, DFA, DFM, ISO - 9000,

## **TERMS & CONDITIONS**

### **Registration**

1. Registration is based on first come first served. Please click [HERE](#) to register
2. Booking through website will be more viable for tracking purposes.

### **Payment Mode**

1. Payment via VISA/Master online
2. Payment via AXS Machine (Please click [HERE](#) for procedure). Remember to retain your receipt for verification.
3. Payment by Crossed Cheque payable to “IES”

\*For cheque payment, please indicate Participate name & Event name at the back of the cheque and send to:

**The Institution of Engineers, Singapore  
70 Bukit Tinggi Road  
Singapore 289758  
Attn: Don Chen**

### **Confirmation of Course**

Confirmation of registration will be given 5 days prior to the commencement date of event via email. Otherwise, please call Mr Don Chen @ 6461 1259 to check on your confirmation.

(Please remember to check your Junk/Spam folder if you did not receive the confirmation)

### **Cancellation**

In the event that participants are not able to attend, please inform us in writing **at least 3 working days** before the event date. Otherwise **full payment** is still applicable even if you did not turn up for the talk.