

SEMINAR

Technologies and Methodologies to improve Productivity and Profitability of Foundries

24th-25th Jan 2019, Bangalore

Tentative Program

24th Jan 2019

- 9.00 AM Tea, Networking, Registration
- 9.30 AM Introductions & Context Setting – *Dr S Shamasundar, ProSIM*
- 10.15 AM Opening Remarks – *Mr Takuya Noro, Hitachi (HiCL), Tokyo, Japan*
- 10.30 AM Factors affecting profitability of Foundries
Dr Gnanamurthy
- 11.15 AM TEA –
- 11.45 AM Gating Design Concepts, Common mistakes
Mr B S Govind
- 12.45 PM Case Studies – **ProSIM team**
- 1.15 PM LUNCH
- 2.15 PM Importance of Process Design and Process control in Foundries
Dr Gnanamurthy
- 2.45 PM Development of castings for defence and aerospace applications.
Selvaraj, A
- 3.30 PM TEA
- 4.00 PM Yield Improvement Strategies
Mr Govind B S
- 4.45 PM Case Studies -Sand Casting, investment casting,
- ProSIM team
- 5.30 PM Open Forum and Group Discussion – 1
Casting Defects, sources of defects, corrective measures, and using computer simulation to eliminate casting defects.
Participants are encouraged to bring their critical parts, talk about issues they are facing with defects, gating. They can bring their defective castings, and process details/ charts for brainstorming with experts.

6.30 PM Wrap up for the day

25th Jan 2019

9.00 AM Tea, Networking, Registration

9.30 AM Recap of Day-1.

9.45 AM Yield Improvement and Energy Efficiency

Dr Shamasundar - ProSIM

10.45 AM How to make casting simulations work for foundries?

- Care to be taken in Model Set up in casting simulation software
- care to be taken in analysis and inferencing of casting simulation results

11.30 AM TEA

12.00 Case Studies - High pressure die casting (HPDC), low pressure die casting (LPDC), gravity die casting (GDC),

- ProSIM team

1.30 PM Lunch

2.30 PM Additive Manufacturing of Gas Turbine Hot Gas Path Components

Dr Dheepa Srinivasan, Intech DMLS

3.15 PM X-Ray / NDT Methods for foundry quality assurance

Mr Karthikeyan. J, Karma Innovators

4.00 PM TEA

4.30 PM Casting Buyers Perspective - how to control quality, cost, and delivery

Selvaraj, A

5.30 PM Open House and Group Discussion

6.30 PM Wrap Up