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# Proceeding

**The 6<sup>th</sup> International Seminar  
on Industrial Engineering and Management (6<sup>h</sup> ISIEM)**

Harris Hotel Batam Center, Batam, Indonesia  
February 12<sup>th</sup> – 14<sup>th</sup>, 2013

**Organized by :**  
**Industrial Engineering Department of**



**Supported by :**



Indonesian Industrial Engineering  
Higher Education Association

# FOREWORD

In this 6<sup>th</sup> International Seminar on Industrial Engineering and Management (ISIEM) Seminar issues is **Sustainable on Enhancing Industrial Management, Technology, and Information**, and wide area of Industrial Engineering including Quality Engineering, Supply Chain Management, Production System, Operation Research, Decision Support System, Ergonomics, Artificial Intelligent, Industrial Management, and Entrepreneurship.

All of papers received were review by a peer of reviewers and published for 55 papers from various Indonesian University and abroad, and be presented by 52 presenters.

Historical, the ISIEM is an annual seminar event organized by 6 universities that run Industrial Engineering Department, which are Triskati University Jakarta, Atmajaya Catholic University Jakarta, Tarumanagara University Jakarta, Esa Unggul University Jakarta, Al-Azhar Indonesia University Jakarta, and Pasundan University Bandung. The seminar took different places annually in all over Indonesia.

I would like to thank you to all committees for the efforts, all Reviewers, Mr. Predeep Nair from Schneider Manufacture Batam, Prof. Dr. Rosnah Mohd. Yusuff from Department of Mechanical and Manufacturing Engineering Universiti Putra Malaysia, Prof. Frits Blessing from Rotterdam University/Rotterdam Business School, for the Keynote Speeches, all Participants to join the Seminar, and everybody who helped us to make this seminar happen.

At last, enjoy your stay in Batam and have a good Seminar.

Ir. Wahyukaton, MT.  
(Pasundan University Bandung)

Chairman of Committee

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# AGENDA

## Day 1 (February 12<sup>th</sup>, 2013)

Opening ceremony

Gala Dinner

Keynote #1

Mr. Pradeep Nair

Plant General Manager PT Schneider Electric Manufacturing Batam

## Day 2 (February 13<sup>th</sup>, 2013)

Keynote #2

**Prof Rosnah Mohd Yusuff**

Department of Mechanical and Manufacturing Engineering, Faculty of Engineering, Universiti Putra Malaysia

*"Innovations In Manufacturing For Sustainable Growth"*

Coffee Break

Parallel Session #1

Lunch

Keynote #3

**Prof. Frits Blessing**

DIALOG & Rotterdam University of Applied Sciences

*"I Have To Change To Stay The Same"*

Coffee Break

Parallel Session #2

## Day 3 (February 14<sup>th</sup>, 2013)

**Tour to Singapore**