

# International Summit on Industrial Engineering

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**Ping Ji**

*The Hong Kong Polytechnic University, Hong Kong*

## iIE-Today's industrial engineering

Industrial Engineering (IE) is growing up with computer technologies. A good and early example is MRP (Material Requirement Planning), which was first developed in 1950's while the first digital computer was believed to be invented in 1940's. Now we are in the era of "big data" and IE has become iIE. "Big data" is simply to say data in the internet. Here, the lower case "i" in iIE has at least triple-fold meanings: internet, information, and intelligence. First of all, "i" means "internet". Scrappy or fragmentary data is distributed in different locations, geographically and physically. The world-wide internet enables this scattered and scrappy data to be connected together. Then this "internetted" data becomes "information", the second "i", via analysis. To get helpful information from this data, an "intelligent", the third "i", tool should be used. We discuss how an IE person can analyze intelligently the data in the internet to obtain helpful information. An example will be used to show how data in the internet will be mined, what data is helpful, and how this data will be analyzed intelligently to become helpful information. More specifically, for example, how to define the information mined from the internet is helpful is discussed.

## Biography

Ping Ji obtained his PhD in Industrial Engineering from West Virginia University in 1991. He worked in National University of Singapore before, and now he has been working in the Hong Kong Polytechnic University over 18 years. He has published more than 100 papers in reputed journals and has been serving as an editorial board member for several journals.

[p.ji@polyu.edu.hk](mailto:p.ji@polyu.edu.hk)