

*The Hong Kong Polytechnic University*  
*Department of Logistics and Maritime Studies*  
*Research Seminar*

## **Some Specially Structured Assemble-to-Order Systems**

by

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**Date: 13 January 2016 (Wednesday)**  
**Time: 11:00am - 12:00nn**  
**Venue: M104, Li Ka Shing Tower**  
**The Hong Kong Polytechnic University**

**(Conducted in English)**

**Abstract:**

Assemble-to-order systems are important in practice but challenging computationally. This paper combines some notions from combinatorial optimization, namely polymatroids and discrete convexity, to ease the computational burden significantly, for certain specially structured models. We point out that polymatroids have a concrete, intuitive interpretation in this context.

**Bio:**

**Paul H. Zipkin** PhD is Professor Emeritus of Business Administration at Duke University, USA. His degrees come from Reed, California, and Yale. His research investigates the design and operation of production and distribution systems and their analogues in service industries. He has written numerous scholarly articles and the book, *Foundations of Inventory Management*. He is a Fellow of INFORMS and the Manufacturing & Services Operations Management Society.

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**All are welcome!**