



IEEE SMC Hiroshima Chapter Invited Special Talk

Place: Prefectural University of Hiroshima, Lecture Room 2313

Time: 15:00 – 16:30

Intelligent Decision Making in Supply Chain Management under Uncertainty

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Supply chain connecting suppliers to customers consists of several important sectors with respect to Industrial Management such as production and sales planning, transportation, and inventory management. It is important to do appropriate decision making for not only the whole of supply chain but also each sector. Each sector has various random and ambiguous conditions. In order to represent these uncertain conditions and to obtain the appropriate decision, the sectors for supply chain management are formulated as stochastic and fuzzy programming problems. It is difficult to solve these problems directly due to uncertainty, and hence, the problems are equivalently transformed into the deterministic problems introducing the optimal criterion for randomness and fuzziness. In addition, the deterministic problems are also nonlinear programming problems. In order to solve them efficiently, not only strict but also approximate and intelligent algorithms are developed.

Conference Site:

Local Arrangement is partially supported by Prefectural University of Hiroshima (PUH). PUH has 3 campuses and 1 satellite campus in Hiroshima Prefecture. Prefectural University of Hiroshima has a long history of education. The site of special talk is Hiroshima Campus (1-1-71 Ujina-Higashi, Minami-ku, Hiroshima, Japan) which located at Hiroshima city. From Hiroshima Station, it takes about 30 mins to the Kenritsu-Byouin-Mae(Prefectural Hospital) stop.

The conference sites can be viewed on the Google Map: <http://goo.gl/ZmDb6L>