신양우
**Changwon National University**

AM-19

# MMAP and the modeling G-queue

The Markovian arrival process with marked transitions (MMAP) is useful in modeling input processes of stochastic system with several types. Especially, the MMAP can be used to model the phenomena where the correlation of different types is considered. In this talk we discuss modeling issues for the queue with three types of customers; ordinary customers, negative customers and disasters which are correlated by using MMAP. We also present the recent results and further studies.

강만기
**Dongeui Univ**

AM-20

# A Bayesian Approach to Fuzzy Hypotheses Testing with Revision of possibility distribution

We propose some properties of Bayesian fuzzy hypotheses testing by revision for prior possibility distribution and posterior possibility distribution using weighted fuzzy hypotheses versus on with loss function. Key Words : Bayesian hypotheses, fuzzy hypotheses testing, posterior possibility density, T-norm, odds ratio, revision of possibility, loss function.