**Abstract**

 Swarm Intelligence (SI) is a branch of ArtificialIntelligence (AI), it is collective behavior ofsocial insect colonies and other animal societies.It designs algorithms for distributed problem-solving devices by using behavior of insects. BeeColony Optimization (BCO) is one of the recenttrends in the swarm Intelligence, has beensuccessfully applied to many combinatorialoptimization problems, mostly in transportation,location and scheduling fields. This paperdiscusses various types of scheduling, BeeColony Optimization (BCO) algorithms and itfocuses on scheduling using BCO algorithms.