

## Parallel Computing and Realistic Problems

**M. Manzari**

*Sharif University of Technology,  
Tehran, Iran*

In this talk a brief description on the use of parallel computing techniques for solving large scale engineering problems is given. The concept of computer clusters and its place in the parallel computing's world is discussed and specifications of a cluster built in Sharif University is given. Finally, a general overview is given on how to use such computing systems more efficiently. A number of results of flow simulations obtained using parallel machines is also presented.