**Title: Partitioning stiff systems for ODEs** 

Speaker: Prof. Dato' Mohamed Suleiman

Ordinary differential equations (ODEs) can be classified into two classes of problems: non stiff and stiff. Different methods are assigned to different class of problems. Of late techniques are developed called partitioning, for solving ODEs. These techniques will be reviewed. Currently these techniques change non stiff method to stiff, when instability occurs. However, when the transient recur again no change has been proposed. Here we propose the technique of changing from non stiff to stiff componentwise. The suggested technique worked well when solving Van der Pols equations.