

Το Τμήμα Μαθηματικών και Στατιστικής του Πανεπιστημίου Κύπρου διοργανώνει σεμινάριο την Τετάρτη 21/09/2016, ώρα 11:00-12:00, στην αίθουσα ΣΘΕΕ01/037 στην Πανεπιστημιούπολη.

Ομιλητής: Sebastian Franz (TU Dresden)

Τίτλος: Numerical methods for changing-type systems.

Περίληψη: We will consider evolutionary systems, i.e. time-dependent systems coming from modelling physical problems as first-order systems. Examples are wave-equation, heat-equation, Maxwell's-equations and many more. We will look especially into problems, where the type of the underlying PDE changes depending on the part of the domain considered and prove convergence of a numerical method based on a discontinuous Galerkin method in time and standard FEM in space.