WORKSHOP PROGRAM
Numerical Methods for Evolution Equations
Heraklion, Crete, September 19-20, 2014

Friday, September 19	
9:15-9:30	**Opening**
	Chairman: Vidar Thomée
9:30-10:00	**Christian Lubich** *On backward difference formulae for quasi-linear parabolic equations.*
10:00-10:30	**Alexandre Ern** *Discontinuous Galerkin method in time combined with a stabilized finite element method in space for linear first-order PDEs.*
10:30-11:00	**Patrick Joly** *Time domain analysis of an interface resonance phenomenon in electromagnetism.*
Coffee Break	
	Chairman: Vassilios Dougalis
11:30-12:00	**Stig Larsson** *Weak convergence analysis for finite element approximations of stochastic evolution PDEs.*
12:00-12:30	**Ulrich Langer** *Functional a posteriori error estimates for parabolic time-periodic problems.*
12:30-13:00	**Kunibert Siebert** *On the H^1 stability of the L_2 projection on adaptively refined grids.*
Lunch Break	
	Chairman: Patrick Joly
14:30-15:00	**Charalambos Makridakis** *Error control for wave equations.*
15:00-15:30	**Emmanuil Georgoulis** *Adaptivity and blow-up detection for semilinear parabolic problems based on rigorous a posteriori bounds.*
Coffee Break	
	Chairman: Georgios Akrivis
16:00-16:30	**Georgios Zouraris** *A numerical method for a nonlinear Fokker-Planck-Kolmogorov equation.*
16:30-17:00	**Theodoros Katsaounis** *A posteriori error control and adaptivity for the Schrödinger equation.*

Saturday, September 20	
	Chairman: Charalambos Makridakis
9:30-10:00	**Andreas Prohl** *Numerical discretization of the stochastic cubic Schrödinger equation.*
10:00-10:30	**Alexander Ostermann** *Splitting based on approximate flows.*
10:30-11:00	**Angela Kunoth** *Multilevel preconditioning for isogeometric analysis.*
Coffee Break	
	Chairman: Stig Larsson
11:30-12:00	**Omar Lakkis** *Aposteriori analysis and adaptivity in discontinuous Galerkin time-stepping methods.*
12:00-12:30	**Konstantinos Chrysafinos** *Analysis and approximations of the velocity tracking control problem for the 3D evolutionary Navier-Stokes equations.*
12:30-13:00	**Vanessa Styles** *Multi-material structural topology optimisation using phase field methods.*
Lunch Break	
	Chairman: Alexander Ostermann
14:30-15:00	**Mats Larson** *Stabilized cut finite element methods for evolution problems on surfaces.*
15:00-15:30	**Panagiotis Chatzipantelidis** *On the preservation of positivity in some finite element methods for the heat equation.*
Coffee Break	
	Chairman: Christian Lubich
16:00-16:30	**Georgios Akrivis** *Stability properties of implicit-explicit multistep methods for a class of nonlinear parabolic equations.*
16:30-17:00	**Chrysoula Tsogka** *Signal to Noise: Ratio analysis in passive correlation based imaging.*