

Contents

Foreword	
List of participants	
P. Acquistapace & B. Terreni	
Quasilinear parabolic integrodifferential systems with fully nonlinear boundary conditions	1
W. Arendt & H. Kellermann	
Integrated solutions of Volterra integrodifferential equations and applications	21
M. Chipot & G. Vergara-Caffarelli	
Viscoelasticity without initial condition	52
Ph. Clément, O. Diekmann, M. Gyllenberg, H.J.A.M. Heijmans & H.R. Thieme	
Perturbation theory for dual semigroups	
III. Nonlinear Lipschitz continuous perturbations in the sun-reflexive	67
C. Corduneanu	
Some global problems for Volterra functional differential equations	90
W. Desch, R. Grimmer & W. Schappacher	
Propagation of singularities by solutions of second order integro-differential equations	101
H. Engler	
Boundary value problems for weak solutions of a class of quasilinear hyperbolic integrodifferential equations	111
A. Favini	
Implicit integrodifferential equations	141
J.A. Goldstein, S. Oharu & T. Takahashi	
Semilinear Hille-Yosida theory	157
R. Grimmer & W. Schappacher	
Integrodifferential equations in Banach spaces with infinite memory	167

K.B. Hannsgen & R.L. Wheeler	
Existence and decay estimates for boundary feedback stabilization of torsional vibrations in a viscoelastic rod	177
M.L. Heard & S.M. Rankin III	
Weak solutions for a class of parabolic Volterra integrodifferential equations	184
W.J. Hrusa & M. Renardy	
A model problem in one-dimensional viscoelasticity with a singular kernel	221
U. Jin Choi & R.C. MacCamy	
Fractional order Volterra equations	231
V. Lakshmikantham	
Stability results for integrodifferential equations	246
G. Leugering	
Boundary controllability of a viscoelastic string	258
A. Lorenzi & E. Sinestrari	
Stability results for a partial integrodifferential inverse problem	271
J. Milota	
Asymptotic behaviour of parabolic equations with infinite delay	295
E. Mitidieri & M. Tosques	
Nonlinear integrodifferential equations in Hilbert space: the variational case	306
J. A. Nohel, R.C. Rogers & A.E. Tzavaras	
Hyperbolic conservation laws in viscoelasticity	320
J. Prüss	
Regularity and integrability of resolvents of linear Volterra equations	339
D. Sforza	
Regularity results for an integrodifferential equation of convolution type in Hilbert space	368
V. Vespri	
Linear stochastic integrodifferential equations	387