Session 10. Nonlinear Infinite Dimensional Evolutions and Control Theory with Applications

Organizers: George Avalos (Nebraska, USA), Irena Lasiecka (Memphis, USA), Justin Webster (Oregon State, USA)

Thursday, 8. August
Chair: J. Webster

12.10-12.40 G. Avalos

(Title not available.)

12.40-13.10 L. Bociu

Free boundary fluid-elasticity interactions: sensitivity analysis

Chair: G. Avalos

14.30-15.00 J. Webster

Effective damping mechanisms in mathematical aeroelasticity

15.00-15.30 A. Haraux

Slow vs. fast decay of the solutions to some semilinear evolution problems

15.30-16.00 S. Migorski

Nonlinear evolution inclusions and hemivariational inequalities with applications

16.00-16.30 Coffee break

Chair: I. Lasiecka

16.30-17.00 F. Klawe

Thermoplasticity for the Mroz's model in the thermodynamically complete systems

17.00-17.30 P. Geredeli

Existence of the global attractors for parabolic equations involving the weighted p-Laplacian operator

17.30-1800 A. Kerimbekov

(Title not available.)

18.00-18.30 B. Shklyar

(Title not available.)

Friday, 9. August
Chair: I. Lasiecka

12.10-12.40 A. Swierczweska-Gwiazda

Conservation laws with discontinuous flux

1240-13.10 A. Wroblewska-Kaminska

Applications of Orlicz spaces in theory of PDE: non-Newtonian fluids and abstract problems

Chair: J. Webster

14.30-15.00 I. Lasiecka

Global existence of solutions to a 3-D fluid structure interactions with moving interface.

15.00-15.30 M. A. Rammaha

Hadamard well-posedness for a hyperbolic equation of viscoelasticity with supercritical sources and damping

15.30-16.00 P.J. Graber

Nonlinear hyperbolic equations with random dynamic boundary conditions

16.00-16.30 Coffee Break

Chair: G. Avalos

16.30-17.00 R. Triggiani

(Title not available.)

17.00-17.30 H. Mena

On the LQR/LQG deisgn problem and the associated Riccati differential equations

17.30-18.00 K. Nurtazina

(Title not available.)