

STABILITY AND GLOBAL QUESTIONS FOR EVOLUTION PROBLEMS

Alain Haraux, Valéria Domingos Cavalcanti, Vilmos Komornik, Marcelo Cavalcanti

The theory of stability and control theory have been interconnected already a long time ago, as can be seen from the pioneering works of Pontriaguine, LaSalle, Barbashin and Krasovskii for instance. Actually feedback stabilization lies at the interface of stability and control theories and is very important in applications.

The special session "Stability and global questions for evolution problems" is mainly concerned with stability theory in ODEs and PDES, including the natural interactions between control theory and various areas in evolutionary problems.

The topics covered in the session include recent themes in control theory and related topics such as stabilization, exact or approximate controllability, trend to equilibrium, rate of convergence, oscillation of solutions, ultimate boundedness, and attractors.

It is our hope that this session will provide a proper setting for specialists to discuss and collaborate on problems of mutual interest.

Confirmed Speakers

1. Alain Haraux (CNRS & Sorbonne University)
2. Alexandre Nolasco de Carvalho (State University of São Paulo - São Carlos)
3. Bernadette Miara (Université Paris - Est ESIEE - Paris)
4. Carole Rosier (Université du Littoral Côte d'Opale - Calais)
5. Farid Ammar Khodja (University of Franche - Comté - Besançon)
6. Lionel Rosier (MINES Paris Tech - Paris)
7. Luc Robbiano (Université de Versailles - Versailles)
8. Ludovick Gagnon (INRIA - Nancy)
9. Márcia Federson (State University of São Paulo - São Carlos)
10. Roberto Capistrano Filho (Federal University of Recife - Recife).