



4º CONGRESO DE JÓVENES
INVESTIGADORES
Real Sociedad Matemática Española
Universitat de València,
del 4 al 8 de Septiembre de 2017



S9: Matemática Aplicada en el Ámbito de la Ingeniería (Aula M-1.3)

Martes 5 de septiembre

11:30-12:15 **Laura Saavedra**, Stabilized Lagrange-Galerkin methods to simulate turbulent flows

12:15-12:45 **Gemma Ramos Casado**, Higher order dynamic mode decomposition to solve engineering problems

12:45-13:15 **Víctor Beltrán**, Structural analysis of the two-dimensional flow field past multiple bodies at various inflow conditions: wake interaction

13:15-13:45 **Judith Cueto Fernández***, Experimental determination of the ambient pressure through the resonance frequency of bubbles immersed in a gel

16:30-17:00 **Manuel Pena Rodríguez**, Domain optimization via topological derivative applied to defect detection

17:00-17:30 **José Muñoz Cámara**, Analysis of coherent flow structures in pipes with helicoidal springs using POD

17:30-18:00 **Miguel Baena Botana**, Spatio-temporal stability analysis of a pair of counter-rotated vortices

*Por confirmar