

Scientific meeting on Dynamical Systems Theory
March 3, 2020, University of Sao Paulo at Sao Carlos, Brazil

8.30-9.00 Welcome time

9.00-9.30 Prof. dr. Carmen ROCSOREANU (UCV): *Bifurcations of a biological system*

9.30-10.00 Conf. dr. Gheorghe TIGAN (UPT): *Application of averaging theory in a 3D system exhibiting a degenerate fold-Hopf bifurcation*

10.00-10.30 Conf. dr. Maria-Magdalena BOUREANU (UCV): *Qualitative results for nonlinear differential problems*

10.30-11.00 Coffee break

11.00-11.30 Prof. dr. Regilene OLIVEIRA (USP): *Bi-centers in planar differential system with symmetries*

11.30-12.00 Dr. Alex REZENDE (UFSCar): *Structural instabilities in planar differential systems*

12.00-12.30 Dr. Daniel DREXLER (OBUDA): *Experimental data-driven tumor modeling for chemotherapy*

12.30-13.00 Mr. Mate SIKET (OBUDA): *Sensitivity and identifiability tests for observation purposes in physiological systems*

13.00-15.00 Lunch break

15.00-15.30 Dr. Jackson ITIKAWA (UNIR): *Global centers in Hamiltonian systems*

15.30-16.00 Ms. Ana Maria TRAVAGLINI (USP): *Geometry and integrability of planar quadratic differential systems with invariant hyperbolas*

16.00-16.30 Dr. Catalin STERBETI (UCV): *Analysis of a Kolmogorov system in a non-degenerate framework*

16.30-17.00 Coffee break

17.00-17.30 Dr. Florian MUNTEANU (UCV): *Analysis of a Kolmogorov system in a degenerate framework*

17.30-18.00 Ms. Maira BALDISSERA (USP): *Uniqueness of limit cycles in generalized Rayleigh system*

18.00-18.30. *Free discussions*