

SCHEDULE FASFE19

Valladolid (Spain), September 9th-12th, 2019

All talks will be delivered at Sala de Grados II, Facultad de Ciencias, where you can use blackboard and projector (please note that the projector screen partially covers the blackboard).

MONDAY 9th

09:30 – 09:55 Registration

09:55 Opening foreword

10:00 – 10:45 Masatake Miyake (Nagoya University, Japan): Determination of Newton polygon for a Moser irreducible system of ODEs

10:50 – 11:35 Ilya Vyugin (IITP RAS and NRU HSE, Russia): Local and global inverse problems for difference equations

11:40 Coffee break

12:05 – 12:50 Sampei Hirose (Shibaura Institute of Technology, Japan): On the Stokes geometry for difference equations

13:00 Lunch

14:45 – 15:30 Yasunori Okada (Chiba University, Japan): Inductive descriptions for entire functions with a prescribed growth

15:35 – 16:20 Renat Gontsov (IITP RAS, Russia): On exotic series solutions of meromorphic ODEs

TUESDAY 10th

10:00 – 10:45 Hiroshi Yamazawa (Shibaura Institute of Technology, Japan): Gevrey or q -Gevrey asymptotics for some linear q -difference-differential equations

10:50 – 11:35 Kunio Ichinobe (Aichi University of Education, Japan): K -summability of divergent solutions to some linear q -difference-differential equations with entire Cauchy data

11:40 Coffee break

12:05 – 12:50 Akira Shirai (Sugiyama Jogakuen University, Japan): Maillet type theorem for nonlinear q -difference-differential equations

13:00 Lunch

14:45 – 15:30 Toshio Oshima (Josai University, Japan): Confluence and unfolding of Pfaffian systems

15:35 – 16:20 Yoshishige Haraoka (Kumamoto University, Japan): Effective methods in asymptotic analysis in several variables

16:25 Coffee break

16:50 – 17:35 Saiei-Jaeyeong Matsubara-Heo (Kobe University, Japan): Boundary value problem and GKZ systems

WEDNESDAY 11th

10:00 – 10:45 Hidetoshi Tahara (Sophia University, Japan): Uniqueness of the solutions of nonlinear singular first order partial differential equations

10:50 – 11:35 Masafumi Yoshino (Hiroshima University, Japan): Borel summability and movable singularity of Hamiltonian system

11:40 Coffee break

12:05 – 12:50 Sławomir Michalik (Cardinal Stefan Wyszyński University, Poland): Summability of formal power series solutions of Goursat problem for linear partial differential equations with constant coefficients

13:00 Lunch

14:45 – 15:30 Bożena Tkacz (Cardinal Stefan Wyszyński University, Poland): The Stokes phenomenon for certain partial differential equations with variable coefficients

15:35 – 16:20 Maria Suwińska (Cardinal Stefan Wyszyński University, Poland): Gevrey estimates for moment partial differential equations

20:30 Social dinner

THURSDAY 12th

10:00 – 10:45 Stéphane Malek (University of Lille, France): On parametric Gevrey asymptotics for initial value problems with infinite order irregular singularity and linear fractional transforms

10:50 – 11:35 Alberto Lastra (Universidad de Alcalá, Spain): Boundary layer expansions for initial value problems with two complex time variables

11:40 Coffee break

12:05 – 12:50 Tsvetana Stoyanova (Sofia University, Bulgaria): Stokes matrices for a class of reducible equations

12:55 Closing words

13:00 Lunch