Real Algebraic Geometry

2017 March 13-19

552, Graduate school of Mathematics, Nagoya University, Japan

Program

March 13 Monday

MC	Comte	
9:30-10:10	Opening	
10:10-11:00	Fernando	On a proof to Shiota's conjecture to characterize Nash images of Euclidean spaces
11:00-11:30	Break	
11:30-12:20	Pernazza	On the regularity of the roots of polynomials depending on one real parameter
12:20-14:20	Lunch	
14:20-15:10	Acquistapace	On the direct image theorem and globally defined semianalytic sets
15:10-15:40	Break	
15:40-16:30	Broglia	On a real Nullstellensatz for rings of global real analytic functions

March 14 Tuesday

MC	Fichou	
9:30-10:30	Basu	An o-minimal Szemeredi-Trotter theorem
10:30-11:00	Break	
11:00-12:00	Comte	Zeroes of analytic functions and their rational points
12:00-14:00	Lunch	
14:00-15:00	Ghiloni	Algebraicity of Nash sets and of their asymmetric cobordism
15:00-15:30	Break	
15:30-16:30	Coste	A continuous version of Artin approximation theorem

March 15 Wednesday

Free talking

March 16 Thursday

Free talking

March 17 Friday

MC	Fernando	
9:30-10:30	Fichou	The Grothendieck ring of arc-symmetric sets
10:30-11:00	Break	
11:00-12:00	Madden	Pierce-Birkhoff Conjecture: What have we learned in sixty years?
12:00-14:00	Lunch	
14:00-15:00	Rolin	Iteration theory, transseries and Dulac maps
15:00-15:30	Break	
15:30-16:30	Alonso	Constructive aspects about abstract Henselian Rings: division theorems and Local B ézout Theorem

March 18 Saturday

MC	Ghiloni	
9:30-10:30	Servi	Resolution of singularities and definability in a globally subanalytic setting
10:30-11:00	Break	
11:00-12:00	Roy	Quantitative curve selection lemma
12:00-14:00	Lunch	
14:00-15:00	Ohmoto	C^1-triangulations, seminalgebraic de Rham homotopy theory
15:00-15:30	Break	
15:30-16:30	Schwarz	Singularities of moment mappings