

WORKSHOP
on
”VALUATIONS ON RATIONAL FUNCTION FIELDS”

Institute of Mathematics
University of Szczecin
May 8-13, 2017

Schedule of talks

All talks and all coffee breaks are in room 205 unless indicated otherwise.

Tuesday, May 8:

10:00 - 10:45

Welcome and Introduction

10:45 - 11:15 **Coffee break**

11:15 - 11:45

Hanna Ćmiel and Piotr Szewczyk

A short introduction to notions and results by Alexandru, Popescu, Zaharescu and Khanduja

11:45 - 12:30

Problem session

12:30 - 14:30 **Lunch break**

14:30 - 15:30

Josnei Novacoski

(Abstract) Key polynomials

15:30 - 16:15 **Coffee break**

16:15 - 17:15

Giulio Peruginelli

Transcendental extensions of a valuation domain of rank one

18:30

Wine and Cheese Party

Wednesday, May 9:

10:00 - 11:00

Wael Mahboub

Valuations over regular local rings of dimension two

11:00 - 11:30 **Coffee break**

11:30 - 12:30

Michel Vaquie

Augmented valuation, key polynomial and admissible families (1)

12:30 - 14:30 **Lunch break**

14:30 - 15:30 (room 305)

Ed Mosteig

Reversely Well-Ordered Valuations on Polynomial Rings in Two Variables

15:30 - 16:15 **Coffee break**

16:15 - 17:15

Miguel Ángel Olalla Acosta

Valuations in algebraic field extensions

Thursday, May 10:

10:00 - 11:00

Michel Vaquie

Augmented valuation, key polynomial and admissible families (2)

11:00 - 11:30 **Coffee break**

11:30 - 12:30

Anna Blaszczyk

Distances of elements in valued function fields

12:30 - 14:30 **Lunch break**

14:30 - 15:30

Eberhard Becker

$C(M, S^n)$ for real function fields and applications

15:30 - 16:00 **Coffee break**

16:00 - 17:00 (Colloquium of the Institute of Mathematics, room 210)

Bernard Teissier

Geometry and dynamics of intersections

18:00

Joint Dinner

Willa Ogrody

Friday, May 11:

10:00 - 11:00

Josnei Novacoski

Key polynomials and minimal pairs

11:00 - 11:30 **Coffee break**

11:30 - 12:30

Michel Vaquie

Augmented valuation, key polynomial and admissible families (3)

12:30 - 14:30 **Lunch break**

14:30 - 15:30

Bernard Teissier

On key polynomials and the valuative Cohen theorem

15:30 - 16:00 **Coffee break**

16:00 - 16:30

Bernd Schober

Constructing overweight deformation using polyhedra

16:45 - 17:15

Olga Kashcheyeva

Key polynomials and truncated valuations

Saturday, May 12:

Excursion