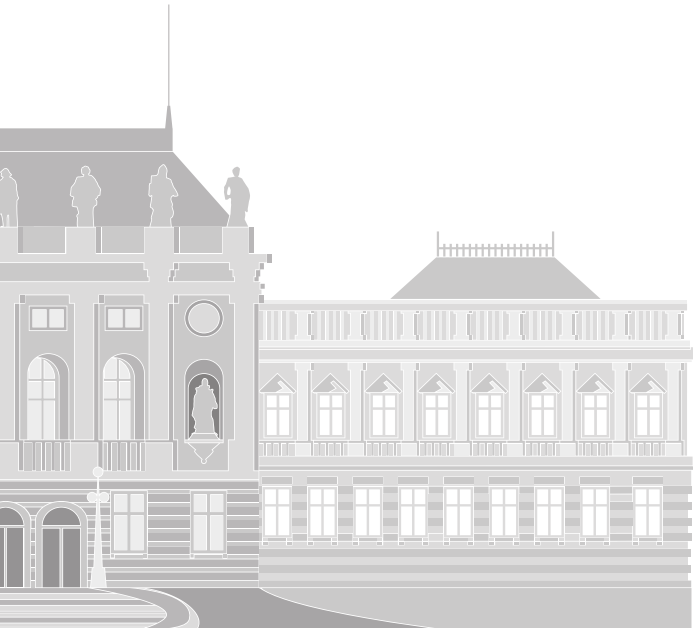
KARL-FRANZENS-UNIVERSITÄT GRAZ
UNIVERSITY OF GRAZ

Conference on Rings and Factorizations

Schedule

February 19-23, 2018 · Graz, Austria



Monday

9:00 P. N. Ánh
An axiomatic divisibility theory for commutative rings

10:00 —— Coffee break ——

10:30 A. K. Loper
Ideal theory of integer-valued polynomials in several variables

11:00 T. Dumitrescu
Ideal factorization in integral domains

11:30 A. Reinhart
Radical factorization in ideal systems of monoids

12:00 —— Lunch break ——

14:00 C. A. Finocchiaro
The Smyth powerdomain of a spectral space

	— Session **A** —	— Session **B** —
15:00	L. Cossu Products of idempotent matrices over Prüfer domains	G. Angermüller Roots in extensions of domains
15:30	—— Coffee break ——	
16:00	L. Guerrieri Directed unions of local quadratic and monoidal transforms and GCD domains	O. Ouzzaouit On Hilbert and Goldman rings issued from amalgamated algebras
16:30	R. Wiegand Betti tables over short Gorenstein algebras	M. K. Patel Fully-invariant semi-injective modules
17:00	A. Rani Perinormal rings with zero-divisors	S. Pirzada On the metric dimension of a zero-divisor graph associated with a commutative ring

17:30 ———————

Tuesday

9:00 D. J. Grynkiewicz
Finiteness of the elasticities $\rho_k(G_0)$ inside a lattice

10:00 —— Coffee break ——

10:30 M. D'Anna
Value semigroups and good semigroups

11:00 V. Barucci
Dilatations of numerical semigroups

11:30 W. A. Schmid
"Every" set is a set of lengths of a numerical monoid

12:00 —— Lunch break ——

14:00 P. Příhoda
Monoids of pure projective modules

	— Session **A** —	— Session **B** —
15:00	F. Campanini On an additive category whose objects have type at most four	P.-J. Cahen Pointwise minimal extensions
15:30	—— Coffee break ——	
16:00	F. Pop Cosilting modules	A. Antoniou Especially short sequences with full sumset
16:30	D. Herbera Monoids of countably generated pure-projective modules	S. Ribas On extremal product-one free sequences and weighted Davenport constants
17:00	A. Majidinya The sum-essential left ideal graph of rings	K. Cziszter New results on the Noether number of finite groups

17:30 ———————

19:00 Reception by the Governor of Styria in the staterooms of Graz Burg, Hofgasse 15

Wednesday

9:00 **D. Smertnig**
Non-unique factorizations in bounded hereditary noetherian prime rings

10:00 —— Coffee break ——

10:30 **A. Facchini**
Factorizations of ideals in noncommutative rings similar to factorizations of ideals in commutative Dedekind domains

11:00 **U. Vishne**
Decomposition over a division algebra and Ramanujan complexes

11:30 **F. Tartarone**
Integer-valued polynomial over quaternion algebras

12:00 —— Lunch break ——

— Session **A** —	— Session **B** —
14:00 **J.-L. Chabert** From Pólya fields to Pólya groups	**Y. Li** On $*$-clean non-commutative group rings
14:30 **S. Nakato** Non-unique factorizations in rings of integer-valued polynomials on Dedekind domains	**H. Kim** The finitistic weak dimension of a pseudo-valuation domain is at most one
15:00 **P. Baginski** Nonunique factorization in the ring of integer-valued polynomials	**M. Domokos** On the nilpotency index of nil algebras

15:30 —— Coffee break ——

16:00 **Y. Fan** Unions of sets of lengths	**A. Sadiq** Algorithm for primary submodule decomposition
16:30 **F. Gotti** On the sets of lengths of Puiseux monoids	**A. Badawi** On weakly (m, n)-closed ideals and (m, n)-von Neumann regular rings
17:00 **D. Llena** Delta sets of affine semigroups	**A. Jaballah** From overrings of Prüfer domains to rings in non-integrally closed extensions

17:30 ———————

Thursday

9:00 **M. Reyes**
Progress with the Prime Ideal Principle

10:00 —— Coffee break ——

10:30 **C. Beil**
Nonnoetherian coordinate rings and their noncommutative resolutions

11:00 **M. Roitman**
On strongly primary monoids and domains

11:30 **G. W. Chang**
UMT-domain property of graded integral domains

12:00 —— Lunch break ——

14:00 **M. H. Park**
Root extension in polynomial and power series rings

— Session **A** —	— Session **B** —
15:00 **S. Wiegand** Prime ideals in rings of power series and polynomials	**R. E. Hasenauer** Factorization in Prüfer domains

15:30 —— Coffee break ——

16:00 **A. A. A. Al-Maktry** Polynomial functions of the ring of dual numbers modulo m	**A. Cîmpean** Weakly nil-clean index and uniquely weakly nil-clean rings
16:30 **S. Vostokov & I. Nekrasov** Formal modules in constructible class field theory	**D. Kreso** Polynomial decomposition and linearly recurrent sequences of polynomials

17:00 ———————

17:10 Flute & Piano Recital, by Harald Fripertinger (flute) and Svetlana Hübler (piano)

18:30 ———————

Friday

9:00 **E. Houston**
Counting semistar operations on Prüfer domains

10:00 —— Coffee break ——

10:30 **D. Spirito**
Jaffard families and extension of star operations

11:00 **T. Lucas**
Valuative Marot Rings

11:30 **A. Garcia Elsener**
Cluster algebras: Factoriality and class groups

12:00 —— Lunch break ——

— Session **A** —	— Session **B** —
14:00 **R. M. Ortiz-Albino** A type of generalized factorizations	**R. Rissner** J-ideals of matrices over PIDs
14:30 **K. Schrempf** A factorization theory for some free fields	**A. J. Gupta** A note on direct injective modules
15:00 **A. Gupta** Quantum polynomial rings	**N. Chere** The lattice of topologizing filters of rings of continuous functions

15:30 —— Coffee break ——

16:00 ———————