

VERTEX ALGEBRAS, INFINITE DIMENSIONAL LIE ALGEBRAS AND RELATED TOPICS

Roma, Istituto Nazionale di Alta Matematica, December 11-15

Conference Program

Monday, December 11

9:30- 10:30 Chongying Dong

Coset constructions and Kac-Wakimoto Hypothesis

10:30-11:30 Dražen Adamović

On the representation theory of affine VOAs and W -algebras via inverse QHR

Chair: P. Papi

11:30-12 Coffee Break

12-13 Alberto De Sole

Cohomology of vertex algebras and Poisson vertex algebras

Chair: P. Papi

13:15-15:00 Lunch

15:00-16 Jethro Van Ekeren

Isomorphisms of W -algebras

16:00-16:30 Coffee Break

16:30-17:30 Alessandro D'Andrea

Lie super-pseudoalgebras

Chair: M. Miyamoto

Tuesday, December 12

9-10 Li Ren

Pointed modular tensor categories

10-11 Juan Villareal

Lambda bracket and intertwiners

Chair: O. Perše

11-11:30 Coffee Break

11:30-12:30 Luca Casarin

Affine algebras with multiple singularities and distributions

Chair: V. Pedić Tomić

13-15:00 Lunch

15:00-16 Margherita Paolini

Integral forms of affine Kac-Moody algebras

16:00-16:30 Coffee Break

16:30-17:30 Ana Kontrec

Kazama-Suzuki duality between certain simple W -algebras

Chair: L. Bagnoli

Wednesday, December 13

9:30-10:30 Masahiko Miyamoto

Rationality of holomorphic vertex operator algebra

10:30-11:30 Veronika Pedić Tomić

On Whittaker modules for Weyl vertex algebra orbifolds

Chair: C. Dong

11:30-12:00 Coffee Break

12:00- 13:00 Lucia Bagnoli

Some results on Yangians and quantum vertex algebras

Chair: L. Casarin

13:15 Lunch

Free afternoon

Thursday, December 14

9-10 Anne Moreau

Action of the automorphism group on the Jacobian of Klein's quartic curve

10-11 Pierluigi Möseneder Frajria

On unitary representations of minimal W -algebras in the Ramond sector

Chair: D. Adamović

11-11:30 Coffee Break

11:30-12:30 Cuipo Jiang

Varieties and singular vectors of affine vertex algebras of type A

12:30-13:30 Ivana Vukorepa

Classification of irreducible modules for the affine vertex algebra $L_{-\frac{2n+1}{2}}(\mathfrak{sl}_{2n})$ in certain categories

Chair: D. Adamović

13:30 Lunch

Free discussions in the afternoon

Friday, December 15

9.30-10.30 Andrew Linshaw

Universal VOAs and W -algebras of classical types

Chair: A. Moreau

10:30-11 Coffee Break

11-12 Qing Wang

Representations of the orbifold of the parafermion vertex operator algebra $K(\mathfrak{osp}(1|2), k)$

12-13 Daniele Valeri

Deformations of W -algebras and differential-difference equations

Chair: P. Möseneder Frajria

13:15 Lunch