International Ph.D. Lab. In Mathematics
« Representation Theory of Lie groups, Mathematical Physics, and Combinatorics»
Reims University, June 24-28, 2019

Monday, June 24

9.00 – 9.15 Opening address by Guillaume Gellé, President of the Reims University.

9.15 – 10.15 Toshiyuki Kobayashi, *Symmetry breaking operators: general theory and concrete construction for reductive groups I*.

10.30 – 11.30 Valentina Kirichenko, *Newton-Okounkov convex bodies and representation theory I*.

11.40 – 12.40 Angela Pasquale, *Symmetric spaces, Fourier analysis and resonances I*.

12.40 – 14.00 Lunch at the university cafeteria (CROUS)

14.00 – 15.00 Valentina Kirichenko, *Newton-Okounkov convex bodies and representation theory II*.

15.15 – 16.15 Angela Pasquale, *Symmetric spaces, Fourier analysis and resonances II*.

16.15 – 16.45 *Coffee break*

16.45 – 18.00 *Seminars and individual meetings*

Tuesday, June 25

9.00 – 10.00 Tomasz Przibinda, *An elementary construction of the Weil representation I*.

10.15 – 11.15 Evgeny Smirnov, *Schubert polynomials and toric degenerations of flag varieties I*.

11.30 – 12.30 Toshiyuki Kobayashi, *Symmetry breaking operators: general theory and concrete construction for reductive groups II*.

12.30 – 14.00 *Lunch at the university cafeteria (CROUS)*

14.00 – 15.00 Tomasz Przibinda, *An elementary construction of the Weil representation II*.

15.15 – 16.15 Evgeny Smirnov, *Schubert polynomials and toric degenerations of flag varieties I*.

16.15 – 16.45 *Coffee break*

16.45 – 18.00 *Seminars and individual meetings*.

Wednesday, June 26

9.00 – 10.00 Evgeny Feigin, *Semi-infinite Plücker relations I*.

10.15 – 11.15 Vassili Gorbounov, *Electrical mathematics I*.

11.30 – 12.30 Vassili Gorbounov, *Electrical mathematics II*.

12.30 – 14.00 *Lunch at the university cafeteria (CROUS)*

Free afternoon with a possibility to attend a guided tour of Reims cathedral.

18.30 – 19.30 François Alouges, Le ~~grand~~ petit bain ou la natation synchronisée microscopique. General audience talk on the occasion of 80th anniversary of the CNRS. Campus Croix-Rouge.

Thursday, June 27

9.00 – 10.00 Shintaro Yanagida, *Introduction to Hall Algebras I*.

10.15 – 11.15 Sophie Morier-Genoud, Continued *fractions and combinatorics I*.

11.30 – 12.30 Vladlen Timorin, *Combinatorics of Gelfand-Zetlin polytope I*.

12.30 – 14.00 *Lunch at the university cafeteria (CROUS)*

14.00 – 15.00 00 Evgeny Feigin, Semi-*infinite Plücker relations II*.

15.15 – 16.15 Shintaro Yanagida, *Introduction to Hall Algebras II*.

16.15 – 16.45 *Coffee break*

16.45 – 18.00 *Seminars and individual meetings*.

18.30 – 20.00 *Dinner Party at Villa Douce*.

Friday, June 28

9.00 – 10.00 Valentin Ovsienko, *q-deformed rational numbers I*.

10.15 – 11.15 Vladlen Timorin, *Combinatorics of Gelfand-Zetlin polytope II*.

11.30 – 12.30 Sophie Morier-Genoud, Continued *fractions and combinatorics II*.

12.30 – 14.00   *Lunch at the university cafeteria (CROUS)*

14.00 – 15.00 Valentin Ovsienko, *q-deformed rational numbers II*.