

Analytic, Algebraic and Geometric Aspects of Differential Equations

September 7 – 12, 2015

Program of the School

Monday, September 7

9.00–9.10 OPENING

9.10–10.10 JAVIER SANZ (University of Valladolid)
**Asymptotic analysis and summability of formal
power series, I**

10.10–10.40 Coffee break

10.40–11.40 YOSHISHIGE HARAOKA (Kumamoto University)
Holonomic systems, I

11.50–12.50 IRINA MARKINA (University of Bergen)
**Sub-Riemannian geometry and sub-elliptic
operators, I**

13.00 Lunch

15.00–16.00 JEAN-PHILIPPE ANKER (University of Orleans)
An introduction to Dunkl theory, I

16.00–16.30 Coffee break

16.30–17.30 YOSHITSUGU TAKEI (RIMS, Kyoto University)
**WKB analysis and Stokes geometry of differential
equations, I**

17.30–19.00 Free discussions

19.00 Dinner

Tuesday, September 8

9.00–10.00 YOSHISHIGE HARAOKA (Kumamoto University)
Holonomic systems, II

10.00–10.30 Coffee break

10.30–11.30 IRINA MARKINA (University of Bergen)
Sub-Riemannian geometry and sub-elliptic operators, II

11.40–12.40 JEAN-PHILIPPE ANKER (University of Orleans)
An introduction to Dunkl theory, II

12.50–13.00 School photo

13.00 Lunch

15.00–16.00 YOSHITSUGU TAKEI (RIMS, Kyoto University)
WKB analysis and Stokes geometry of differential equations, II

16.00–16.30 Coffee break

16.30–17.30 JAVIER SANZ (University of Valladolid)
Asymptotic analysis and summability of formal power series, II

17.40–18.10 BARTOSZ LANGOWSKI (Wrocław University of Technology)
On Sobolev and potential spaces related to Jacobi expansions

19.00 Banquet

Wednesday, September 9

9.00–10.00 IRINA MARKINA (University of Bergen)
Sub-Riemannian geometry and sub-elliptic operators, III

10.00–10.30 Coffee break

10.30–11.30 JEAN-PHILIPPE ANKER (University of Orleans)
An introduction to Dunkl theory, III

11.40–12.40 YOSHITSUGU TAKEI (RIMS, Kyoto University)
WKB analysis and Stokes geometry of differential equations, III

13.00 Lunch

15.00–16.00 JAVIER SANZ (University of Valladolid)
Asymptotic analysis and summability of formal power series, III

16.00–16.30 Coffee break

16.30–17.30 YOSHISHIGE HARAOKA (Kumamoto University)
Holonomic systems, III

17.30–19.00 Free discussions

19.00 Dinner

Thursday, September 10

9.00–10.00 JEAN-PHILIPPE ANKER (University of Orleans)
An introduction to Dunkl theory, IV

10.00–10.30 Coffee break

10.30–11.30 YOSHITSUGU TAKEI (RIMS, Kyoto University)
WKB analysis and Stokes geometry of differential equations, IV

11.40–12.40 JAVIER SANZ (University of Valladolid)
Asymptotic analysis and summability of formal power series, IV

13.00 Lunch

15.00–16.00 YOSHISHIGE HARAOKA (Kumamoto University)
Holonomic systems, IV

16.00–16.30 Coffee break

16.30–17.30 IRINA MARKINA (University of Bergen)
Sub-Riemannian geometry and sub-elliptic operators, IV

17.30–19.00 Free discussions

19.00 Bonfire

Friday, September 11

9.00–10.00 YOSHITSUGU TAKEI (RIMS, Kyoto University)
WKB analysis and Stokes geometry of differential equations, V

10.00–10.30 Coffee break

10.30–11.30 JAVIER SANZ (University of Valladolid)
Asymptotic analysis and summability of formal power series, V

11.40–12.40 JEAN-PHILIPPE ANKER (University of Orleans)
An introduction to Dunkl theory, V

13.00 Lunch

15.00–16.00 IRINA MARKINA (University of Bergen)
Sub-Riemannian geometry and sub-elliptic operators, V

16.00–16.30 Coffee break

16.30–17.30 YOSHISHIGE HARAOKA (Kumamoto University)
Holonomic systems, V

17.30–19.00 Free discussions

17.30–19.00 Free discussions or walk to the Lake

19.00 Dinner

Saturday, September 12

8.00 Departure or walk to the Wielkopolski National Park