

FRONTIERS OF NEVANLINNA THEORY 2:

*p*-adic function theory and arithmetic dynamics

University College London, 27–29 June 2011

PROGRAMME

Monday, 27<sup>th</sup> June

09:50–10:00: Rod Halburd (University College London, UK)

*Welcome and introduction to the workshops*

10:00–11:00: William Cherry (University of North Texas, USA)

*Non-Archimedean ABC inequalities in several variables and in arbitrary characteristic*

11:00–11:30: *Coffee/tea*

11:30–12:30: Pei-Chu Hu (Shandong University, PRC)

*Bounds of discriminants of number fields*

12:30–14:30: *Lunch*

14:30–15:30: Franco Vivaldi (Queen Mary, University of London)

*Minimal modules of periodic orbits*

15:30–16:00: *Coffee/tea*

16:00–17:00: Yik Man Chiang (Hong Kong University of Science and Technology)

*Complex oscillation theory and special functions*

Tuesday, 28<sup>th</sup> June

10:00–11:00: Francesco Baldassarri (Università di Padova, Italy)

*Finiteness of De Rham cohomology with general coefficients for *p*-adic dagger curves and Hurwitz formulas. Revealing hidden ramification*

11:00–11:30: *Coffee/tea*

11:30–12:30: Asma Al-Ghassani (Sultan Qaboos University, Oman)

*Height growth of solutions for a certain discrete rational equation*

12:30–14:30: *Lunch*

14:30–15:30: Abdelbaki Boutabaa (Université Blaise Pascal Clermont-Ferrand II, France)

*On the factorization of *p*-adic meromorphic functions*

15:30–16:00: *Coffee/tea*

16:00–17:00: Branko Dragovich (Institute of Physics, Belgrade, Serbia)

**p*-adic numbers in applications*

Wednesday, 29<sup>th</sup> June

10:00–11:00: Yves André (École Normale Supérieure, Paris, France)

*Gevrey series and arithmetic Gevrey series. A survey*

11:00–11:30: *Coffee/tea*

11:30–12:30: Jacqueline Ojeda (Universidad de Concepción, Chile)

**p*-adic meromorphic functions  $f'P'(f)$ ,  $g'P'(g)$  sharing a small function*

12:30–14:30: *Lunch*

14:30–15:30: Alain Escassut (Université Blaise Pascal Clermont-Ferrand II, France)

*Branched values for *p*-adic meromorphic functions and other properties*

15:30–16:00: *Coffee/tea*

*Talks will be in the Harrie Massey Lecture Theatre. Coffee/tea will be in room 707.*