Program and Schedule of Talks

12th International Conference on p-Adic Functional Analysis

E3-270 (Engineering Building)

University of Manitoba, July 2-6, 2012

Sunday **July 1**	Arrivals & Check-in at Arthur V. Mauro Residence Hall **Pizza dinner at Arthur V. Mauro Hall,** 17:00- all evening

Monday **July 2**	8:00-9:20	Breakfast (Pembina Hall)
	9:30-10:00	Opening remarks
	10:00-11:00	Alain Escassut Branched values for p-Adic meromorphic functions
	11:00-11:20	Coffee break
	11:20-12:20	Cristina Perez-Garcia The Grothendieck approximation theory in non-Archimedean
	12:20-13:20	Helge Glockner Invariant manifolds for analytic dynamical systems over ultrametric fields
	13:20-15:00	Lunch (at Degrees)
	16:00-20:00	King's Park (walking distance from campus); dinner will be provided

Tuesday **July 3**	8:00-9:20	Breakfast (Pembina Hall)
	9:30-10:30	Herminia Ochsenius A Generalized Keller space over a field with a valuation of rank $\rho > \omega$
	10:30-11:30	Yaroslav Sergeyev A new methodology for executing numerical computations with infinities and infinitesimals: Interrelations between mathematical objects and tools used for their observation
	11:30-11:50	Coffee break
	11:50-12:50	Nicolas Mainetti Maximal ideals on algebras of continuous functions
	12:50-14:20	Lunch (at Degrees)
	14:20-15:20	Hans Keller Subfields of valued, complete fields
	15:20-15:40	Coffee break
	15:40-16:40	Jacqueline Ojeda *p*-Adic meromorphic functions *f'P'(f), g'P'(g)* sharing a small function

Wednesday **July 4**	8:00-9:20	Breakfast (Pembina Hall)
	9:30-10:30	Elena Olivos All proper multiplications on the Dedekind completion of a totally ordered abelian group
	10:30-11:30	Enno Nagel Fractional differentiability and (locally) polynomial functions
	11:30-11:50	Coffee break
	11:50-12:50	Abdelbaki Boutabaa Factorization of ultrametric meromorphic functions
	12:50-14:30	Lunch (at Degrees)
	14:30-15:00	**Group Picture** (stairs of the Administration Building)
	15:00-21:30	**Trip to the Forks**

Thursday **July 5**	8:00-9:20	Breakfast (Pembina Hall)
	9:30-10:30	Jose Aguayo Characterization of Compact and self-adjoint operators on free Banach spaces of countable type over the complex Levi-Civita field
	10:30-11:30	Khodr Shamseddine B*-algebras of operators and study of positive operators on a free Banach space of countable type over the complex Levi-Civita field
	11:30-11:50	Coffee break
	11:50-12:50	Todd Sierens On locally uniformly differentiable functions: the Inverse Function Theorem and the Implicit Function Theorem in a non-Archimedean setting
	12:50-14:20	Lunch (at Degrees)
	14:20-15:20	Martin Berz Affine Invariant Lebesgue Measures in Levi-Civita Vector Spaces and the Erdös Obtuse Angle Theorem
	15:20-15:40	Coffee Break
	15:40-16:40	Alexander Wittig Inverse and Implicit Function Theorems on Levi-Civita Vector Spaces

Friday **July 6**	8:00-9:20	Breakfast (Pembina Hall)
	9:30-10:20	William Grafton On Fourier series for functions on the Levi-Civita field
	10:20-11:10	Yaroslav Sergeyev A new methodology for executing numerical computations with infinities and infinitesimals: Applications and numerical examples
	11:10-11:25	Coffee break
	11:25-12:15	Alain Escassut Zeros of the derivative of a p-Adic meromorphic function
	12:15-12:30	Closing remarks
	12:30-14:00	Lunch (at Degrees)
	14:00-21:30	**Excursion (Assiniboine Park) and Farewell Dinner**