

BERKOVICH SPACES AND p -ADIC DIFFERENTIAL EQUATIONS
IRMA, Strasbourg, November 2010

SCHEDULE

Monday November 8	
10:30 – Registration	
11:00 – 12:15	P. Berthelot <i>Introduction to overconvergent F-isocrystals</i>
Lunch	
14:30 – 15:45	N. Tsuzuki <i>Log-growth and Frobenius for p-adic differential equations</i>
Coffee break	
16:15 – 17:30	V. Di Proietto <i>An algebrization theorem for certain p-adic differential equations</i>

Tuesday November 9	
9:30 – 10:45	A. Ducros <i>Berkovich spaces: general properties and detailed study of analytic curves</i>
Coffee break	
11:15 – 12:30	V. Berkovich <i>Integration of one-forms on p-adic analytic spaces</i>
Lunch	
15:00 – 16:15	A. Pulita <i>Radius of convergence function of p-adic differential equations</i>
Coffee break	
16:45 – 18:00	F. Baldassarri <i>Bornological spaces</i>
19:30 – Dinner	

Wednesday November 10	
9:30 – 10:45	M. van der Put <i>Classification of local linear p-adic differential equations</i>
Coffee break	
11:15 – 12:30	L. Xiao <i>Computing logarithmic characteristic cycles via ramification theory</i>
Lunch	
15:00 – 16:15	J. Nicaise <i>From p-adic zeta functions to t-adic analytic geometry</i>

Thursday November 11	
9:30 – 10:45	C. Noot-Huyghe <i>An introduction to the theory of arithmetic \mathcal{D}-modules</i>
Coffee break	
11:15 – 12:30	D. Caro <i>Overcoherence and holonomicity</i>