

WHITNEY PROBLEMS 2015: SCHEDULE OF EVENTS (provisional version)

CIRM, October 18-23, 2015

OCTOBER 18, SUNDAY

Arrival, checking in to CIRM.

OCTOBER 19, MONDAY

09 : 45 – 10 : 00	<i>Opening of the Workshop</i>
10 : 00 – 10 : 20	<i>Break, Tea and Coffee</i>
10 : 20 – 11 : 20	Charles Fefferman: <i>Whitney problems survey</i>
11 : 30 – 12 : 30	Kevin Luli: <i>Interpolation by Nonnegative Functions</i>
12 : 30 – 15 : 00	<i>Lunch break</i>
15 : 00 – 16 : 00	Alex Brudnyi: <i>On Bernstein Classes of Well Approximable Maps</i>
16 : 10 – 17 : 10	Pavel Shvartsman: <i>A Whitney-type extension theorem for jets generated by Sobolev functions</i>
17 : 10 – 17 : 40	<i>Tea and Coffee</i>
17 : 40 – 18 : 40	Nahum Zobin: <i>Some duality considerations in Whitney problems</i>
19 : 30	<i>Dinner</i>

OCTOBER 20, TUESDAY

09 : 00 – 10 : 00	Charles Fefferman: <i>Whitney problems and real algebraic geometry</i>
10 : 00 – 10 : 20	<i>Break, Tea and Coffee</i>
10 : 20 – 11 : 20	Arie Israel: <i>Interpolation of data in Sobolev spaces</i>
11 : 30 – 12 : 30	Ignacio Uriarte-Tuero: <i>Two weight norm inequalities for singular and fractional integral operators in \mathbb{R}^n</i>
12 : 30 – 15 : 00	<i>Lunch break</i>
15 : 00 – 16 : 00	Alex Brudnyi: <i>On the Sundberg Approximation Theorem</i>
16 : 10 – 17 : 10	Krzysztof Kurdyka: <i>Curve-rational functions</i>
17 : 10 – 17 : 40	<i>Break, Tea and Coffee</i>
17 : 40 – 18 : 40	Michal Wojciechowski: <i>On the relations between the L^1 norm of partial derivatives with very accessible proof.</i>
19 : 30	<i>Dinner</i>

OCTOBER 21, WEDNESDAY

09 : 00 – 10 : 00	Wieslaw Pawlucki: <i>\mathbb{C}^k-extendability criterion for functions on a closed set definable in any polynomially bounded o-minimal structure</i>
10 : 00 – 10 : 20	<i>Break, Tea and Coffee</i>
10 : 20 – 11 : 20	Dimitri Yafaev: <i>Rational approximation of singular functions</i>
11 : 30 – 12 : 30	Aris Daniilidis: <i>The convex paradigm in optimization: dynamical considerations</i>
12 : 30	<i>Lunch</i>
	<i>Afternoon is free</i>
19 : 30	<i>Dinner</i>

OCTOBER 22, THURSDAY

09 : 00 – 10 : 00	Ritva Hurri-Syrjanen: <i>On the (q, p)-Poincaré inequality, when $q < p$</i>
10 : 00 – 10 : 20	<i>Break, Tea and Coffee</i>
10 : 20 – 11 : 20	Rafal Pierzchala: <i>Markov-type inequalities</i>
11 : 30 – 12 : 30	Nicholas Katzourakis: <i>Vectorial Calculus of Variations in L^∞ and generalised solutions for fully nonlinear PDE systems</i>
12 : 30 – 15 : 00	<i>Lunch break</i>
15 : 00 – 16 : 00	Andreea Nicoara: <i>Direct proof of termination of the Kohn algorithm in the real-analytic case</i>
16 : 10 – 17 : 10	Thibaut Deheuvels: <i>A transmission problem across a fractal interface</i>
17 : 10 – 17 : 40	<i>Break Tea and Coffee</i>
17 : 40 – 18 : 40	Ariel Herbert-Voss, Matthew Hirn and Frederick McCollum: <i>Computing minimal interpolants in $C^{1,1}(\mathbb{R}^d)$</i>
19 : 30	<i>Dinner Bouillabaisse</i>

OCTOBER 23, FRIDAY

09 : 00 – 10 : 00	Lizaveta Ihnatsyeva: <i>Measure density and extension of Besov and Triebel–Lizorkin functions</i>
10 : 00 – 10 : 20	<i>Break, Tea and Coffee</i>
10 : 20 – 11 : 20	Fernando Lopez Garcia: <i>A decomposition of functions and weighted Korn inequality on John domains</i>
11 : 30 – 12 : 30	Discussion
12 : 30	<i>Lunch</i>