Session 31, PDE Methods in Continuum Mechanics

Wednesday 18, Room 201

19:00-19:30	Free boudary problems for operators with variable coefficients:
	regularity
	Sandro Salsa
19:30 - 20:00	A free boundary problem from nonlocal combustion
	Claudia B. Lederman

Thursday 19, Room 201

 Vicent Caselles 15:30–16:00 Harnack inequality and spectral instantaneous and complete blow-u for some parabolic equations related to Ireneo Peral Alonso 16:00–16:30 Comparison principles for viscosity solutions of equations gen erated by vector fields Juan J. Manfredi 16:30–17:00 Functionals with non standard growth and regularity of mini- mizers Giuseppe Mingione 17:30–18:00 The total variation flow wit measure Initial data José M. Mazon Ruiz 18:30–19:00 Thermal avalanche for blow-up solutions of semilinear heat equations Fernando Quirós Gracián 19:00–19:30 On the quenching set for a fast diffusion equation. Regiona quenching Arturo de Pablo Martínez 	Homogenization in free boundary problems
 Henrik Shahgholian 13:00–13:30 Explicit solutions of the denoising problem in image processin Vicent Caselles 15:30–16:00 Harnack inequality and spectral instantaneous and complete blow-u for some parabolic equations related to Ireneo Peral Alonso 16:00–16:30 Comparison principles for viscosity solutions of equations generated by vector fields Juan J. Manfredi 16:30–17:00 Functionals with non standard growth and regularity of minimizers Giuseppe Mingione 17:30–18:00 The total variation flow wit measure Initial data José M. Mazon Ruiz 18:30–19:00 Thermal avalanche for blow-up solutions of semilinear heat equations Fernando Quirós Gracián 19:00–19:30 On the quenching set for a fast diffusion equation. Regiona Arturo de Pablo Martínez 	Ki Ahm Lee
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19:30–20:00 Nonlinear diffusion equation and free boundaries Juan Luis Vázquez Suárez	Nonlinear diffusion equation and free boundaries Juan Luis Vázquez Suárez
19:30-20:00	

Saturday 21, Room 201

08:30-09:00	On thermo-elasticity with second sound
	Salim Messaoudi
09:00-09:30	Capillarity driven spreading of power-law fluids
	Marco Antonio Fontelos López
09:30 - 10:00	Ostrovsky equation, special functions and long -time asymp-
	totics
	Vladimir Varlamov
10:00-10:30	Anisotropy and microstructure
	Nicholas Alikakos
10:30 - 11:00	Sobolev gradients and variational problems
	John W. Neuberger