

First Joint Meeting Brazil-Italy in Mathematics

Session 20--Variational Methods and PDE in Imaging

Organizers: A. Leaci (University of Salento), E. Teixeira (Federal University of Ceará)

Thursday, September 1st (morning session)

09:00-09:40: Franco Tomarelli, Polytechnic University of Milan,

“Variational Approach to Image Segmentation and Inpainting”;

09:45-10:25: Alexandre N. Carvalho, Universidade de São Paulo,

“Structural stability of uniform attractors: topological and geometrical”;

10:30-11:10: Matteo Focardi, University of Florence,

“Existence for the stationary Griffith fracture model in dimension two”;

11:15-11:55: Antonio Leitão, Federal University of Santa Catarina,

“Fast nonstationary iterated Tikhonov method for ill-posed problems with endogenous strategy for choosing the Lagrange multipliers: Application to Image Deblurring”;

Thursday, September 1st (afternoon session)

17:30-18:10: Michele Miranda Jr, University of Ferrara,

“Total variation and Cheeger sets in Gauss space”;

18:15-18:55: Simone Parisotto, University of Cambridge,

“Patchmatch-based Osmosis Linear Filter for Local Shadow Removal”;

19:00-19:40: Massimo Zanetti, University of Trento,

“A numerical approach to the minimization of an elliptic approximation of the Blake-Zisserman functional”.