A stochastic interpretation of the Mumford-Shah –functional

Tapio Helin
Helsinki University of Technology
Finland
Tapio.Helin@tkk.fi

In 1989 Mumford and Shah proposed their celebrated minimization method for image segmentation. The method combines shape and functional minimization thus making the computational problem challenging. In this talk we discuss the connections between the Mumford-Shah –functional and the Bayesian approach in statistical inverse problems.

This work has been done in collabration with Professor Matti Lassas, Helsinki University of Technology, Finland.