

**Meeting:** 1006, Lubbock, Texas, SS 13A, Special Session on Statistical Image Processing and Analysis and Applications

1006-60-159      **Sunanda D. Mitra\*** ([sunanda.mitra@coe.ttu.edu](mailto:sunanda.mitra@coe.ttu.edu)), Department of Electrical and Computer Eng., Mail Stop 3102, Texas Tech University, Lubbock, TX 79409-3102. *Non-convex optimization in Image Analysis.*

Applications of non-convex optimization in solving critical problems in image segmentation and vector quantitation will be presented. Successful segmentation examples in developing an image based diagnostic tool for cervical cancer will be discussed. (Received February 14, 2005)