Palestrante: Prof. Adilson Elias Xavier (COPPE/UFRJ)
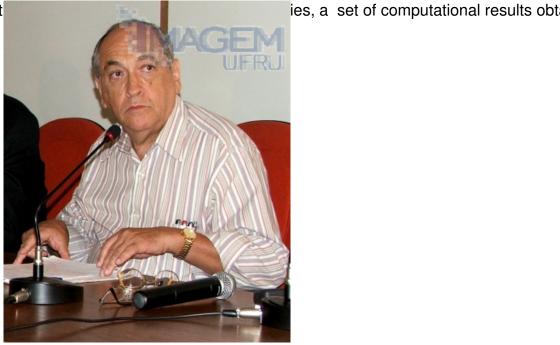### Título da Palestra: Solving very Large Clustering Problems by Using the Hyperbolic Smoothing Method

Resumo da Palestra:

Clustering analysis can be done according to numerious criteria, throught different mathematical
The methodology, called hyperbolic smooothing, has a wider scope, and can be applied to clustering a
The talk will consider one particular clustering formulation: Amoung many criteria, the most natural, in
In order to show the dist   ies, a set of computational results obta

Short Bio:

Adilson Elias Xavier is a Professor of the Federal University of Rio de Janeiro (UFRJ), whose
main interests rely on Mathematical Programming, particularaly Nonlinear Programing in
Peanlty and Augmented Lagranging Methods. He earned his D.Sc. on Systems Engineering
and Computting aat UFRJ on 1992. He is the author of the Hyperbolic Penalty method for
Nonlinear Programing and the Hyperbolic Smoothing modeling technique, which has been
applied for solving important non-differentiable problems, such as: covering, packing,
clustering or location, having obtained unprecedent computational results, He has been
working as consultant in many project with some of the most important Brazilian companies,
such as Petrobras, CEPEL, Eletrobas, ONS, Furnas and Embratel. He earmed prizes from
SOBRAPO (Brazilian Operations Research Society) and IFORS (International of Operatioinal
Reserarch Socities).