Numerical Analysis and Scientific Computing Seminar

On Large Scale Inverse Problems that Cannot be Solved

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Abstract: In recent years data collection systems have improved and we are now able to collect large volume of data over vast regions in space. This lead to large scale inverse problems that involve with multiple scales and many data. To invert this data sets, we must rethink our numerical treatment of the problems starting from our discretization, to the optimization technique to be used and the efficient way we can parallelize these problems. In this talk we introduce a new multi-scale asynchronous method for the treatment of such data and apply it to airborne Electromagnetic data.

Friday, November 13, 2015, 1:00 pm
Mathematics and Science Center: W302

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