# Analysis and Differential Geometry Seminar

## *Directed immersions of closed manifolds*

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**Abstract:** Given any finite subset X of the sphere $S^n, n > 1$, which includes no pairs of antipodal points, we explicitly construct smooth immersions of closed hypersurfaces in Euclidean space $R^{n+1}$ whose Gauss map misses X. In particular, this answers a question of Gromov.

Tuesday, October 26, 2010, 4:00 pm
Mathematics and Science Center: W301

## Mathematics and Computer Science
## Emory University