

Meeting: 1003, Atlanta, Georgia, SS 17A, AMS-SIAM Special Session on Nonsmooth Analysis in Variational and Imaging Problems, I

1003-47-1170 **Dan D. Pascali*** (dp39@nyu.edu), Courant Institute, New York University, 251 Mercer Street,
New York, NY 10012-1185. *Hemivariational inequality models in contact problems.*

After some prerequisites in the nonconvex and nonsmooth analysis and elements of the hemivariational inequalities, the buckling of plates with prescribed weight and adhesive supports is formulated as an eigenvalue problem for a hemivariational inequality with certain unilateral growth condition. (Received October 04, 2004)