

1046-M1-1556 **Edmond Nadler*** (enadler@emich.edu), Department of Mathematics, Eastern Michigan University, Ypsilanti, MI 48197. *Mathematical Surface Modeling Problems in Industry.*

The speaker has done research and development in surface modeling in industry, primarily with B-spline based surfaces known as NURBS. In this talk, he will present some background and a few examples of such problems, which include: a swept surface, an n-sided patch, a blend surface, and efficient point cloud projection to a collection of surfaces. (Received September 16, 2008)