

1077-35-2814 **Bogdan Vernescu*** (vernescu@wpi.edu), Department of Mathematical Sciences, 100 Institute Rd., Worcester, MA 01609. *Mathematical Problems in Metal Processing*.

Modeling of metal processes like wire drawing, flat rolling, extrusion, rolling or sintering lead to a wealth of interesting mathematical problems. We will talk about the mathematics involved in modeling a few of these problems. (Received September 22, 2011)