

# **THE INSTITUTE FACTORY OF MILLENIUM: A MODEL TO SUPPORT THE DEVELOPMENT OF THE BRAZILIAN INDUSTRY**

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*Abstract. The low performance of the production systems in emerging countries, which has been highlighted by the globalization process, becomes strongly evident in manufacturing industries. They are, nowadays, classified according to their competitiveness. The industrial boom, currently happening in Brazil, and also the needs coming from the agricultural equipment industries are putting the country in a critical position in respect to the industrial development. The large variety of automotive industries in Brazil, for example, demands suppliers and creates an important opportunity for the development of the local industries, since a good performance inside can promote them to supply the markets abroad. The lack of scientific and technological knowledge has been frequently found, particularly in small and medium size industries. Consequently, the above-described scenario has determined the slow development of that industrial segment and also the exportation in the emerging countries. The main objective of the Institute Factory of Millennium is the development and dissemination of mechanisms in order to support the development and competitiveness of the national industry. This will be done through the formation of a cluster of research projects on topics that have impact in the Brazilian industry. In the presentation several concepts on manufacturing industries and details about the IFM proposal to support the development of this segment in Brazil will be presented.*

*Keywords. Production, National Industry, Factory of Millennium.*