

## **CIFREM SEMINARS**

# **TECHNICAL EFFICIENCY IN THE ITALIAN MACHINE TOOL INDUSTRY: SIZE, OUTSOURCING, TYPE OF OWNERSHIP AND LOCATION AS DETERMINANTS**

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3.30pm - DISA Seminar room- first floor  
Faculty of Economics  
Via Inama, 5 - Trento***

*Technical efficiency involves a firm's ability to avoid waste by producing as much output as input usage allows. After obtaining reliable measures of efficiency at the firm-level of analysis, empirical research help us to identify those factors which influence such variations among similar economic units. The aim of this paper is to investigate the impact of factors which are assumed to account for the variability of firm's technical efficiency levels in a key Italian manufacturing industry, machine tools (MT). Size shows a positive influence on the level of technical efficiency, while levels of outsourcing are negatively related to efficiency. Firms in industrial groups seem more efficient than independent firms, subsidiaries of multinational enterprises show higher levels of technical efficiency than independent firms.*