

# SIMULATION OF THE WOOD CUTTING PROCESS WITH CIRCULAR SAW BLADES

Wilhelm LAURENZI<sup>1</sup>

**Abstract:** *The cutting process with circular saw blades is one of the most important wood cutting processes. The cutting process is characterized by independent and dependent variables. The independent variables are factors of various influences depending on the wood, tools and processes and the dependent variables are the dynamic parameters of the process i.e. cutting power, specific resistance to cutting, cutting forces etc. By simulation of the cutting process it is easily possible to study the influence of the independent variables on the dependent variables.*

**Key words:** *circular saw blades, cutting process, simulation.*

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<sup>1</sup> Dept. of Machine Tools for Wood Industry, *Transilvania* University of Braşov.