

**UNIVERSITY OF WEST-HUNGARY  
SOPRON**

PhD DISSERTATION

*Author:*  
GÁBOR VARGA

*Title:*  
FORMATION OF WEB ON PAPER MACHINES AND  
SPECIAL WIRES WITH SPECIAL REGARD TO  
MULTITONE WATERMARKS

*Summary:*

The goals of the author were to study the modern methods of formation processes of papermaking and the effects of watermarks on the paper structure. An other aim were to analyse and if possible find solutions for the printing problems caused by watermarks since one can find only a few researches about this matter in both international and national bibliographies. Likewise the aim of the work was to study and overview one of the papers most important possibility for identification the watermark as a security feature.