

DIPLOMA THESIS

# WIRELESS SENSOR NETWORK ANALYSIS BY OPTIMIZED INSTRUCTION SET SIMULATION

Submitted at the Faculty of Electrical Engineering, Vienna University of Technology  
in partial fulfillment of the requirements for the degree of  
Master of Sciences (Diplomingenieur)

under supervision of

Univ.Prof. Dr.habil. Christoph Grimm  
Dipl.-Inf. Dr.phil.nat. Jan Haase

by

Mario Lang, BSc.  
Matr.Nr. 0425104  
Hormayrgasse 5/27, 1170 Vienna

Vienna, January 2010

---