



University of Pannonia, Faculty of Information Technology

Doctoral School of Information Science and Technology

Veszprém

Ph.D. title submitted by Zsófia Závodi-Fodor:

**INTEGRATED ENERGY MANAGEMENT FRAMEWORK IN WASTE TO ENERGY,
INTEGRATION OF OTHER RENEWABLES**

I would like to thank to Professor Zdravko Kravanja for accepting my thesis review. He volunteers his time when he agreed to evaluate my thesis. I would also like to acknowledge his assistance in the phase of so called home defense. Professor Kravanja pointed out ways to improve the thesis quality as well as the editing. I am appreciating the individual comments and observation on some aspect of the work.

The following correct observations by the reviewer were accepted, although as the thesis is in the final stage there is no possibility for further modifications.

- *The Gasification Combine Cycle (IGCC) is indeed a promising alternative for transforming the municipal solid waste into green energy. The chapter 2.4.3 on Biomass waste gasification is briefly introduced as a Waste to Energy option.*
- *The moisture content (42.05%) and solid content (58.36%) in table 2 is slightly over 100% (100.41). This data has been found in the following journal, and need to be corrected:*

Kumar N.K., Goel S., 2009. Characterization of Municipal Solid Waste (MSW) and a proposed management plan for Kharagpur, West Bengal, India. Resources, Conservation and Recycling, 53(3), 166-174.

- *On page 62, line 7, after the number 501.3 the unit, kW is missing.*
- *In Table 17, column 7, 337.7 MW is written and need to be corrected to 237.7 MW.*

I am very grateful to the reviewer to recommend the authorities at the University of Pannonia to award Ph.D. degree after the successful defence.

Budapest, 12. 09. 2013.



Mrs Zsófia Závodi-Fodor