



UNIVERSIDAD
POLITECNICA
DE VALENCIA

Expert review for dissertation

Department of Organización de Empresas

Student: Ing. Peter Georg Burnickl, MBA & Eng.

Thesis: Matrix-Method to Enhance the Co-Operation between Digital Firms and Subcontractors

Reviewer: Prof. Dr. Jordi Mauri
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General evaluation:

The presented thesis from Mr. Burnickl contains 127 pages, divided into 8 chapters. The structure of the dissertation is fluent and logical. After the Introduction with the methodic procedure, the basics and state of technology are described and explained. Chapter 3 completes the scientific research; the existing solutions and their practical issues are described. In the following chapter 4 the prerequisites for new assets are deviated. Within those chapters Mr. Burnickl showed his ability to conduct scientific research in a very detailed manner.

The proposal for solution (chapter 5) summarizes the outcomes of studies, publications, and tests along Mr. Burnickl's academic studies and professional work experience. Here, the development of the quality during his work at UWB can be recognized and have to be pointed out. The first direction of a web-based solution was not necessary anymore and had to be adjusted; consequently the processes had to be optimized to reach the wanted results.

At that point I would like to point out Mr. Burnickl's skills for deep scientific research and his perfect overview with excellent knowledge in engineering and business processes. Several obstacles had to be overcome to develop a new method in real projects.

Chapter 6 describes the developed know-how and steps to take to apply the new method explicitly that shows his specialized technological and economical knowledge.

In chapter 7, Mr. Burnickl proofed his findings within a Case Study in a real working environment to be true. Chapter 7.2 declares the results by pointing out the possible (chapter

7.2.1) and non-possible (chapter 7.2.2) conditions, followed by the risks in chapter 7.2.3 and the comparison against web-based tools in chapter 7.2.4.

Mr. Burnickl completes his findings in chapter 8 by summarizing the entire thesis and listing up future prospects.

By applying the new method, companies were able to speed-up processes and enhance the overall quality. One consequence can be that real advantages in the markets can be reached in order to survive on the critical European economy.

Final statement by referee:

In 2011, I met Mr. Burnickl the first time. He explained me his scientific work and research area and we quickly found a possibility to learn from each other.

As I have co-working and synergies from ad hoc and variable professional teams as my specialized teaching and research area I was highly interested in his research and findings.

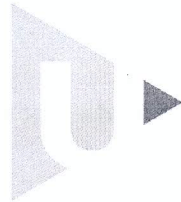
Mr. Burnickl's deep knowledge convinced me very soon and we also worked on a common publication. He has all necessary skills to work on a doctoral level.

Therefore I can recommend his thesis as a final step to obtain his PhD.



DEPARTAMENT
D'ORGANITZACIÓ
D'EMPRESSES


October 26th 2012, Prof. Dr. Jordi Mauri



FACULTY OF MECHANICAL
ENGINEERING
UNIVERSITY
OF WEST BOHEMIA

Expert review for dissertation

Department of Industrial Engineering and Management

Name: Ing. Peter Georg Burnickl, MBA & Eng.

Title: Matrix Method to Enhance the Co-Operation between Digital Firms and Subcontractors

Reviewer: doc. Ing. Milan EDL, Ph.D.
University of West Bohemia, Plzeň

The dissertation contains eight chapters on 127 pages. Structure of work is very logical. After the introduction, the author focuses on the basics and current state of technology, where author define basic concepts and facts for future steps of work. The following is described the existing solutions and their problems based on four ways - technology, information, management and human resources. Author analyzes these areas very clearly and to the necessary level of detail. Next steps of dissertation lead to description of prerequisites for new tools based on scientific research and description of proposal for new solution. Furthermore the author explains core issue of dissertation: matrix-method to enhance the co-operation between the digital firms and subcontractors. After this key chapter is followed case-study with detailed outcome description. Last chapter described completion of objectives and future prospects.

I would like to stop at Chapter 3 (Existing Solutions and their Problems). These are very clear and detail described current problems from various points of view. In Chapter 4 (Prerequisites for new Tools based on Scientific Research) are presented very suitable basic prerequisites for new author's point of view. Next I must highlight following that

author describes current state and target state for all main issues.

I must highlight the formal aspects of this work. The work is very well from graphical point of view. It can see the author's publishing experience.

It is necessary to note for the absence of scientific methods that author have been used to solve of dissertation.

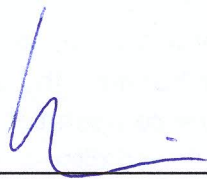
And I must highlight also work with wide portfolio of literature.

I have to say that defined objectives are satisfied.

On the basis of this work I **recommend** the work for defending of dissertation.

Questions:

1. Express theoretical and practical benefits of your dissertation?
2. How does company culture influence your proposed model?
3. Could you quantify for your outcomes/your improving?



signature

In Plzeň, 30. 10. 2012