

## Opponent Report on the Doctoral Theses

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<b>Degree programme</b>	P 8206 Visual Arts		
<b>Degree course</b>	8206V102 Multimedia and Design		
<b>Mode of study</b>	Full-time	Acad. Year	2016/2017
<b>Thesis Title</b>	An Investigation into Shoe Style for Prevention of Heel Pain		
<b>Supervisor</b>	Doc. MgA. Petr Stanický M.F.A.		
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Submitted Doctoral Theses is drawn on almost 200 pages of text, tables and Figures.

The name of the work promises solution of very important topic, because heel pain is wide-spread foot deformity troubling and spoiling lives of many people, however; I am afraid, the theses cannot do as much with this problem.

To be more particular; when I oppose I always start with introduction, where I expect the definition of the problem, the current state and the aim of the author to do with it. The introduction in this case is written on 25 pages, however; the content is that people suffer from feet deformities; they are shod in shoes that the author was inspired by many biomechanical studies and I have got acquainted with the theory of project management.

After introduction is the table of content which explain organization and expectations of text. The work is divided into 9 chapters which each of them has own introduction and conclusion, however the names of subchapters does not clearly say much.

Chapter 2; Content of introduction is theory of how to make literature survey, but I am afraid it could be applied better in particular paper, a lot of text and many figures are without references.

For examples references are in chapter 2.4 about Anatomy of human foot. However, in second paragraph is written

„Ling and his colleagues (2008) have revealed that the foot is a complex structure with 26 bones, 33 joints and more than 100 muscles, ligaments and tendons.” I hope this fact was revealed many years ago.

Well, this chapter contains a lot of other, not very useful information; however, I do not know how they correspond with the problem of heel pain, these problems we can see and follow trough all Naveed work.

Chapter 3; Introduction – interesting information but without reference: “There is evidence that lack of patient knowledge about foot care, unmanaged heel pain and the use of improper footwear are key factors contributing to most devastating, but preventable foot complications.”

The problem is, that there is lack of this evidence. There is just glimpse or inkling that the shape of shoes might have influence on foot deformities. Many other features like lifestyle, genetics and or nutrition for example has influence as well.

Subchapter 3.3 and 3.4. – Theory how to conduct questionnaire survey, but is not applied into practice.

Chapter 3.5. results; Table 3.1. Description of the file of respondents, there is mentioned that there was 33 diabetics among 156 people, however, in the table 3.2. is presented that 40 % of the all respondents suffer from ulceration (in case of 156 people it is 62).

Why he did not list his questionnaire? Its not fully clear, how he has got the other results presented in pages 52 - 62 as well.

Chapter 4; Results from measurement of feet. "The aim of this chapter is to carry out foot survey using simple measuring techniques in order to determine tolerable allowance of normal feet" May be I do not know how to understand this, because the results are that majority of people reveal differences between left and right foot a people with high arch often buy bigger size of shoes. Well, similar studies are already done, but its clear why Naveed want to do his own research.

Chapter 5; Prototypes development assessment. Research has shown that footwear plays important role in the prevention and management of foot problem.

To sum it up, its important to say that

1. The literature recherche, questionnaire and measurement show complexity, but is not fully related to the topic of heel pain.
2. The students present uselessly and minutely many other topics, which does not cohere to the topic, we can see interests in other related topics.
3. Persistently there is problem changing heel pain with the diabetes feet. This problem is not clearly explained, but its clear, that the designed shoes are not suitable for diabetics, but only for people suffering from heel pain (I did not see the prototype, just sketches, but we should see the prototype on final defends)
4. The structure of the work is difficult in orientation (some subchapters have same name is the chapters), partly because of its size, but we have to understand it as only one part.
5. The second part is practical design and work with prototypes, which is based on author theoretical research.

All the theoretical and also a practical work presented in Naveed's doctoral theses show the strong interest supported by research and method which supported both, the theory and visual design as well.

As the opponent of Naveed doctoral project after reviewing content and also form of his theoretical work, I can recommend Naveed doctoral theses for the final defense and I am looking forward to see the prototypes which are explain at the theses.

In Zlín, 31.05.2017

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