

# IUI 2012 Doctoral Consortium Template

PhD student Name (Blank if Blind Review)  
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## ABSTRACT

This document describes the expected format of your extended abstract to the Doctoral Consortium. This document was adapted from the CHI Doctoral Consortium template. This document is important, as we will use it to judge the strongest candidates to the Doctoral Consortium, i.e., those who have clearly stated their research ideas and goals, who have made some progress, but who are not so far along that they can no longer make changes. Note that this document should be **no longer than 4 pages**; this is different from some of the other Extended Abstracts.

Your abstract: use the abstract to provide a very brief overview of your document.

## Author Keywords

Choose your own specific keywords.

## CONTEXT AND MOTIVATION

Almost every research document begins with a section that frames the research and motivates the problem being studied. It describes the relevant domain(s), presents the problem in general terms, and explains why the problem is worth solving. Questions an IUI researcher should be able to answer after reading the motivation section are:

- Which research area does this thesis contribute to?
- What is the specific problem you are trying to solve?
- Is this relevant to IUI?
- What is the motivation for studying a particular problem?
- What makes it worth the effort?
- Is it a 'real' problem in everyday life, and/or is it a 'theoretical' problem that is worth solving?
- Who would care if I solved this?

## RELATED WORK

Provide a summary of the literature review to give the reader enough background to (a) gain sufficient knowledge about what others have done, (b) know how your work will build upon this prior work, and (c) be assured that you have sufficient knowledge of the relevant literature. You should highlight only the key literature here; a full review is not required. Questions an IUI researcher should be able to answer after reading this section are:

- Did the author provide enough background to help me know what others have done in this area, as well as what discipline(s) have considered this area?
- Does the author have sufficient knowledge of the relevant literature necessary to do the proposed work?
- How does the author's proposed work fit within and extend what has been done before?

## STATEMENT OF THESIS OR PROBLEM

Provide a concise statement of your thesis or problem statement. This should be the highest-level problem or goal you plan to address and is sometimes posed as a hypothesis, proposition or conjecture. This is often followed by a small list of specific problems and sub-problems that need to be solved if you are going to satisfy your hypothesis or thesis. Problems should be stated unambiguously. The importance of the problem should be mentioned if it hasn't already been done so in the prior sections. Of course, the problem must be worthy of a PhD thesis. Questions an IUI researcher should be able to answer after reading this section are:

- Did the author identify the thesis, problem or set of problems being addressed?
- What is the main research contribution of this thesis?
- Is this contribution in the IUI field? Is it important enough for a PhD thesis?

## RESEARCH GOALS AND METHODS

While the previous section details the problem you are addressing, your job here is to translate this into research goals and corresponding methods. Each goal should briefly indicate how you are going to solve the problem, i.e., the research method(s) you will use. Goals should be operational; i.e., if you later claim to achieve your goal, you should be able to match your solution against the goal statement. Then describe what contributions you expect to

make if you satisfy these goals. *Note: some authors may prefer to combine problem statements, goals, methods and contributions into a single section.*

We cannot overstate how important it is to have clear goals. When problems, goals, methods and contributions are not clearly stated, readers will be unable to evaluate your solutions. Questions an IUI researcher should be able to answer after reading this section are:

- What are the specific goals being pursued?
- Do these goals actually help solve some or all of the stated problem(s)?
- Has the author stated how s/he will achieve this goal (i.e., the method)?
- Are the goals actionable, i.e., will we know when a goal is actually attained?
- What are the key research contributions to achieve each goal?

Are there any risks related to achieving the goals and methods?

#### **DISSERTATION STATUS**

Clearly state what you have done so far and what you have left to do. Summarize the most important findings thus far, and make it clear how these findings match and inform your original problems and goals. Include a short argument as to why these findings are important. Include references and brief descriptions to key publications (if any) arising from your thesis work.

In addition to describing your current status (as of submission), please also include a paragraph about your future plans, for example the research activities remaining, and how much time you expect these to take.

#### **OPEN QUESTIONS**

Use this section to state what parts of your work are still not clearly defined. For instance you might have still open questions regarding the methodologies that you might want to use to answer a specific research question or whether you might want to extend your work in a new domain. This section gives you the opportunity to directly talk and pose questions to the expert audience that will be at the panel of the doctoral consortium. Try to specify your open question in the most concrete format. Please explain what you hope to gain from attending the Doctoral Consortium.

#### **FORMATTING GUIDANCE**

You must ensure that the formatting of all parts of your submission conforms to the Extended Abstracts format posted on the IUI 2012 web site. You may want to use this Doctorial Consortium Template document as your starting point, as it was created using the Extended Abstracts format.

#### **REFERENCES**

1. Adobe Acrobat Reader 7.  
<http://www.adobe.com/products/acrobat/>.
2. Anderson, R.E. Social impacts of computing: Codes of professional ethics. *Social Science Computing Review* 10, 2 (1992), 453-469.
3. How to Classify Works Using ACM's Computing Classification System.  
[http://www.acm.org/class/how\\_to\\_use.html](http://www.acm.org/class/how_to_use.html).
4. Janssen, C. Understanding Multitasking as an Adaptive Strategy Selection Process. In *Extended Abstracts of CHI 2011*. ACM Press (2011), (pp.1041-1044).

**The columns on the last page should be of approximately equal length.**

**Remove these two lines from your final version.**