POSTER APPLICATION

Please provide following details:

First name: Last Name:

Email: :

University:

Department:

Complete Address:

US Citizenship: YES NO

Applying for: CIE Stipend NIST Support

CIE Technical Committee within which the poster research area fits:

AMS CAPPD SEIKM VES

Research program within: MSc PhD

Advisor (Name and Affiliation):

Estimated total cost of the trip: $

Who will cover the rest of the cost:

Explain with a statement how the applicant’s research is relevant to any of the technical areas within the CIE division and which are the benefits of attending the conference:

**IMPORTANT!!!**

**The Applicant has to provide a reference letter from her/his Advisor together with the abstract submission.**

POSTER ABSTRACT

TITLE

|  |  |
| --- | --- |
| (Student Name)  (Department)  (University)  e-mail  (Advisor, Assistant/Associate Professor) | |
| Biography Write a brief, one paragraph autobiography that explains where you did your undergraduate work, what relevant work experience you may have had, what your professional memberships are, and what you research interests are. | Descrizione: josh_bust.jpg |

# Overview

Provide a short, one paragraph abstract of your proposed research work. The complete extended abstract should be no longer than five pages. Please do not adjust the format/font of the template.

# Motivation

Provide a short discussion on the motivation of this work. What is the underlying need that you are addressing in this work? Why is it relevant to industry? What are the major challenges and why are they still not yet solved? Specific examples would be useful here.

# State of the Art

What is the current state of how others are tackling this problem (or similar problems)? How do these approaches compare? Use the following in text citation approach: (Summers, 2008) and (Divekar and Ostergaard, 2002). Use ASME/IEEE bibliography formats (see end).

# Intellectual Merit

What are the research questions that you will be addressing? What are the hypotheses? Why should the design research community pay attention to this work for the next few years?

# Broader Impact

How can this research, when complete, impact society, research communities, industry, and others?

# Research Plan

What are the fundamental concepts of computational thinking (artificial intelligence, information modeling, algorithmic design, etc.) that are required for your work?

What is you anticipated architecture, data structure, flow chart, sample user interface, etc. (Figure 1)?

|  |
| --- |
| Figure 1: System Architecture |

How will you validate your research?

What is the timeline that you anticipate (see Table 1)?

Table 1: Statement of Work

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Task | Description | Time  (month) | Su06  (2) | Fa06  (4.5) | Sp07  (4.5) | Su07  (3) | Fa07  (4.5) |
| 1 | Develop understanding of the current product, process, and tools | 11.0 |  |  |  |  |  |
| 2 | Develop method to capture design rules | 12.0 |  |  |  |  |  |
| 3 | Validation of Method | 7.5 |  |  |  |  |  |
| 4 | Training | 12.0 |  |  |  |  |  |

# Conclusions

What are the major anticipated results of your work?

# References

Divekar, A., Summers, J., (2004), “A Really Good Conference Paper”, *ASME Design Engineering Technical Conferences and Computers in Engineering Conference,* CAPP, DETC2004-12345, Somewhere City, SC, September 13-16, 2004.

Ostergaard, K., Wetmore, W., (2008), “A Not to Hard to Read Journal Paper”, *ASME Journal of Mechanical Design*, vol. 15, no. 3, pp. 5-12.