Call for Applications
ICAC'08 Doctoral Consortium

OBJECTIVE

The Doctoral Consortium (DC) provides a forum for students to discuss and explore their research interests with a panel of established researchers in Autonomic Computing.

The goals of the Consortium are: (1) to provide feedback on participants' dissertation topic and focus, and advice on initiating a research career; (2) develop a support community of scholars and a spirit of collaborative research across academia and industry; (3) contribute to the conference goals through interactions with other researchers and participation in conference events.

Selected students will present their work in front of an audience that consists of both their peers and a committee of established researchers from industry and academia.

SCOPE

The Consortium is open to all Ph.D students carrying out research on topics related to ICAC's <u>areas of interest</u>. Example topics of interest include, but are not limited to:

- Production or prototype AC systems
- Self-managing element
- Management topics
- Fundamental science of self-managing systems
- Software architectures for self-managing systems
- System-level technologies, middleware or services
- Operating system support for autonomic systems
- Interfaces to autonomic systems
- Toolkits, environments, models, languages, runtime and compiler
- Experiences with autonomic system or component prototypes
- Other topics listed in the ICAC 2008 Call for Papers

IMPORTANT DATES

Submission deadline: March ~~17~~ 28, 2008
Acceptance Notification: April ~~14~~ 21, 2008
Camera-ready submission: May ~~5~~ 9, 2008
Consortium: June, 2008

SUBMISSIONS

Each submission must have a Ph.D student as the sole author or as the primary author with his/her thesis advisor(s) and should include the following materials:

Research Proposal: A three-page proposal that outlines the following:
- Problem(s) being addressed.
- The significance of the proposal and its relevance to Autonomic Computing.
- Related work along with a discussion of their pros and cons.
- The proposed plan for research including research approach and methodology adopted.
- Expected contributions of the research and the novelty and benefits of the suggested solutions.
- A description of the progress to date.

Curriculum Vita: Include a CV (at most one page) that describes the student's background and relevant experience (research, education, employment). The CV should mention how long the student has worked on his/her doctoral research and the expected date of completion. It is expected that students submitting to the Consortium would have one to two years left in their candidature so that they have enough time to incorporate the suggestions made at the Consortium.

Support Letter: A support letter from the faculty, which states support for the student's participation in the DC, should be sent to jianzh@acis.ufl.edu.

Please combine all materials except support letter into one PDF document and submit it to jianzh@acis.ufl.edu. The submission should be limited to 4 pages of double column text, using single spaced 10 point size type on Letter (8.5"x11"), following the IEEE Computer Society guidelines. A report on the consortium will be published online.

TECHNICAL PROGRAM COMMITTEE

Cristiana Amza, Univ. of Toronto, Canada
Simon Dobson, Univ. of Dublin, Ireland
Renato Figueiredo, Univ. of Florida, USA
Jeffrey Kephart, IBM Corp., USA
Manish Parashar, Rutgers Univ., USA
Omer F. Rana, Cardiff University, UK
John Strassner, Motorola, USA
Karsten Schwan, Georgia Tech, USA
Gerald Tesauro, IBM Corp., USA
Mazin Yousif, Intel Corp., USA
John Wilkes, HP Corp, USA

REVIEW PROCESS

The consortium organizing committee will select participants on the basis of clarity and completeness of the submission packet, stage of research, evidence of research promise such as published papers or technical reports, as well as their anticipated contribution to the workshop goals. We solicit applications from any topic area within the scope of the ICAC conference. Students who have identified their thesis direction, but still have significant research to complete are eligible and will be considered; however the ideal candidate for the DC is one who has recently had his/her research proposal accepted by the thesis committee.

Please reference the attached review form (DCReviewForm.doc) for details about the evaluation criteria.

AT THE CONFERENCE

The Consortium will be held during the conference. A panel of prominent professors and experienced practitioners in the field of Autonomic Computing will conduct the workshop. They will review all the submissions and comment on the content of the proposal as well as on the presentation.

Each student will have total 30 minutes including 20 minutes for a research presentation focusing on the main theme of the proposal, and a 10 minute period for discussion and feedback from the committee and other participants.

After the students' presentations, a 30 minute period will be reserved for group discussions to collect feedback and suggestions about the consortium organization and the participants.

At the end of the consortium, a 30 minute period will be reserved for one-on-one mentoring to provide more in-depth feedback.

The organizers invite all students to attend and participate in the Doctoral Consortium, whether or not they present their research. Authors of accepted proposals are expected present their work at the DC and are encouraged to participate in other conference activities.

TRAVEL GRANTS

ICAC hopes to offer a limited number of travel grants to students who have their work accepted at the Consortium. The grant will cover part of the travel costs for the students to attend the Consortium. Details regarding the grants are being worked out and will be announced at the Consortium website.

INQUIRIES

Additional information may be obtained by contacting the chair of the organizing committee:

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CONSORTIUM ORGANIZATION

- Jian Zhang (Univ. of Florida) Email: jianzh@acis.ufl.edu
- Dara Kusic (Drexel Univ.) Email: kusic@drexel.edu