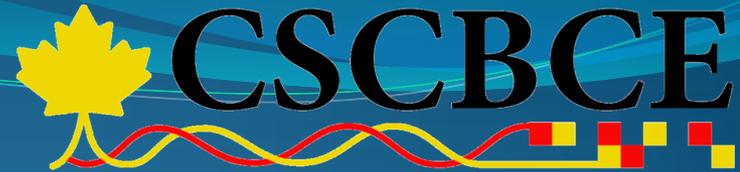


UNIVERSITY OF
Waterloo



Canadian Student Conference on Biomedical Computing and Engineering

May 20-22, 2010

University of Waterloo



GSEF
Graduate Studies Endowment Fund

UNIVERSITY OF
Waterloo
DAVID R. CHERITON SCHOOL OF
COMPUTER SCIENCE



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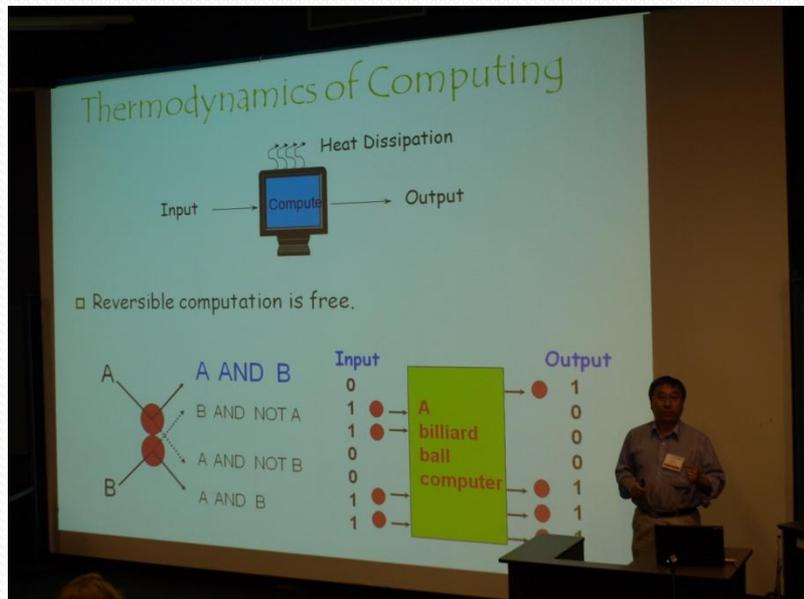


MITACS

Presentations



- We had 18 student presentations, and keynote talks by three leading researchers: Professors Nobuhiko Hata (Harvard), Ming Li (Waterloo), and Cenk Sahinalp (SFU).



Poster Sessions

There was lots of discussion generated by the research posters presented at CSCBCE this year!



Awards



We congratulate all of the award winners for their excellent contributions!

- **MITACS Best Paper Award (Bioinformatics)** – Warren Cheung: *Optimising Locality-Sensitive Hashing on Sequences in the Context of Motif Finding*
- **GSEF Best Paper Award (Biomedical Engineering)** – Mathew Anibal Fortes Carias, Cristian Linte, Daniel Cho and Terry Peters: *Estimating heart movement and morphological changes during robot-assisted coronary artery bypass graft interventions*
- **GSEF Best Paper Award (Biomedical Science)** – Rohan D. Gidvani, Brendan J. McConkey, Bernard P. Duncker and Brian P. Ingalls: *An in silico mathematical model of the initiation of DNA replication*
- **MITACS Best Paper Award (Medical Imaging)** – Ali Sadeghi Naini, Rajni V. Patel and Abbas Samani: *Application of a respiratory CT sequence's combined histogram to estimate intra-sequence lung's air volume variations*
- **MITACS Best Poster Award (Bioinformatics)** – Warren Cheung: *Summarising biomedical literature through keyword term profile analysis*
- **GSEF Best Poster Award (Biomedical Engineering)** – Yuan Fang, Nicholas Allec and Karim Karim: *Monte Carlo simulation of amorphous Selenium digital x-ray detectors: spatial dependence of energy absorption*
- **Best Undergraduate Paper Award** – Mathew Anibal Fortes Carias, Cristian Linte, Daniel Cho and Terry Peters: *Estimating heart movement and morphological changes during robot-assisted coronary artery bypass graft interventions*
- **Best Undergraduate Poster Award** – Lauren Gordon, Ehsan Dehghan, Septimiu Salcudean and Gabor Fichtinger. *Reconstruction of Needle Tracts from Fluoroscopy in Prostate Brachytherapy*

Social Events



GSEF Icebreaker at the Grad House



Dinner at the Concordia Club



Awards Lunch at UW



Train Ride to village of St. Jacob's

Testimonials

- “I was very pleasantly surprised by the quality of research and presentations given by the students in the session I attended. I was stunned by the significance of the research. The presenters were, for the most part, exemplary. They were so good, in fact, that I wondered if your call for papers included a specific focus on presentations, with instructions on how to give a good talk. Whatever you did, you got a great group of students to give engaging and important talks.” – UW Professor
- “It was a great opportunity for me to meet up with some of my friends from last year conference and I also enjoyed some the talks and specifically the presentation and my conversation with the BME keynote speaker Dr. Hata.” – Graduate Student
- “It was a pleasure to present my research at such a great conference.” – Graduate Student
- “I would like to express my many thanks for hosting such a successful conference. It was my first ever conference and I am now encouraged and more eager to attend more once I start my graduate studies.” – Undergraduate Student
- “I think the meeting was very well organized providing students a unique opportunity to network with their peers in biomedical engineering and bioinformatics field.” – Invited Speaker
- “There are a lot of things I have to learn but the smaller groups and individual talks of the poster session allowed better understand of research papers and more individual questions to be asked.” – Undergraduate Student