The Second Workshop of the UW-IEEE Computer Society Chapter on Image Processing: Methodologies and Applications. University of Waterloo, Ontario, Canada, November 6-7, 2003

Co-Sponsored by: Mitra Inc., and LSI LOGIC Corp.

The UW-IEEE Computer Society Chapter takes great pleasure in extending this invitation to you to attend our second workshop on Image Processing: Methodologies and Applications. This 2-day technical program aims at bringing together researchers (faculty, post doctoral fellows, and graduate students) to present their latest achievements and explore future directions in image processing at the University of Waterloo.

Recently, the field of image processing at UW has grown considerably and found a significant role in many disciplines including applied mathematics, engineering, biological and geological science, computer science, and particularly human vision examination (optometry). However, advances in the theoretical basis and applications of image processing methodologies still continue.

Highlights of this workshop

- Special sessions presented by a number of outstanding invited faculty members, who will address the important accomplishments, and future perspectives in imaging as well as the related active areas of research at this university.
- Keynote speaker from Mitra Inc.
- Panel discussion with industry professionals and academic participants.
- Posters and short presentations by graduate students, and post doctoral fellows.

Call for Posters and Presentations

UW graduate students working on image processing related problems are highly encouraged to contribute to this workshop by submitting an extended abstract (max 2 pages, including references to author(s)'s related publications, if any), and presenting a poster. Presentations from other conferences are welcome. We have limited spots for short (10-15 min) oral presentations by students who are interested. Further information, formats and instructions are available at **http://www.eng.uwaterloo.ca/~mmakrehc/ uwip_workshop**
Submission Deadline: *October 15, 2003*

Call for Participation

Everyone is welcome to attend the workshop. It is an excellent opportunity to learn about the latest achievements in theories and applications as well as future challenges of image processing from a diverse group of outstanding researchers and professionals.

Registration Deadline: *October 15, 2003*
Student Fee: $20
Regular Fee: $40
Contributing Student/ IEEE Student Member: $0
Fees include all sessions, proceedings, lunches and coffee breaks for the 2-day program.
Payment: Please issue a check payable to the "University of Waterloo" and send it to:
Zoherh Azimifar
Department of Systems Design Engineering
University of Waterloo, 200 University Ave. W.
Waterloo, On, Canada N2L 3G1

Proceedings

Invited talks and students contributed abstracts will appear in a printed booklet as proceedings.

Previous Workshop

The first workshop of the UW-IEEE computer society chapter was very successful and focused on Fuzzy Logic and Probability in Image Processing.

Invited Sessions

- Prof. P. Fieguth – *"What? Image Denoising and Super-Resolution are the Same Thing?"*
- Prof E. Vrscay – *"Fractal Image Coding: From Compression to Enhancement, Fusion and Synthesis"*
- Prof. O. Basir – *"Sensory Meta Fusion for Robust Image processing and Understanding"*
- Prof. H. Tizhoosh – *"Computer Vision: Advances and Challenges"*
- Dr. N. Hunt (Keynote Speaker, Mitra) – *"Image Enhancement for Radiology and Cardiology"*
- Prof. Barnett – *TBA*
- Prof. Campbell – *TBA*

Organization Committee

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