The First International Workshop on Pulmonary Image Analysis

*Submission Deadline: **June 15th, 2008***

The goal of this workshop is to bring together researchers in pulmonary image analysis and discuss recent advances in this rapidly developing field. Both the quantity and quality of image data available to study the pulmonary system has increased enormously in the last decade. A particular recent development is the use of 4D CT to image the breathing lung. Other important modalities are X-ray, dual energy X-ray and CT, MRI, SPECT, and PET. On the other hand, pulmonary diseases like lung cancer, chronic obstructive pulmonary disease, diffuse lung disease or pulmonary embolism are of enormous relevance from an epidemiological point of view. We invite papers that deal with all aspects of image analysis of these data, including segmentation, registration, quantification, modeling of the image acquisition process, visualization, statistical modeling, biophysical modeling of the lungs (computational anatomy), and novel applications. In addition, we want to address the effective use of these methodologies for diagnosis and therapy in clinical applications, bringing together theory and practice, by including a "hands-on" demo session focusing on clinical workstations for pulmonary analysis.

Sponsors: Philips, Siemens, MeVis, and VIDA

Paper Format: 4-8 pages for software demos

8-10 pages for standard papers

Proceedings will appear both in print and electronically on CD.
Printed proceedings (*with ISBN*) will be handed out to participants at the workshop and will remain available for order afterwards.

Extended versions of select papers will be published in a special section of *Medical Image Analysis*

Important Dates

June 15th, 2008   **Submission Deadline**

September 6th, 2008   **Pulmonary Image Analysis Workshop**

Website: http://spect.ecn.uiowa.edu/lung-workshop-2008/