
Subject: Summer Undergraduate Research in Computer Vision and Image Processing

Posted by [reich](#) on Fri, 26 Feb 1993 20:59:43 GMT

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ANNOUNCEMENT AND CALL FOR APPLICATIONS

THE INSTITUTE FOR VISUAL INFORMATION PROCESSING

June 7 to August 12, 1993
Computer Science and Engineering Department
University of Nebraska -- Lincoln

Sponsored in cooperation with
National Science Foundation
University of Nebraska--Lincoln, College of Arts and Sciences
Center for Communication and Information Science

The Institute for Visual Information Processing is a unique summer program for undergraduate research in digital image processing and computer vision. The ten-week program offers instruction, supervised laboratory research, guest lectures, and visits to area laboratories. Students will receive a stipend and subsistence and travel allowances totaling approximately \$3,000. Enrollment is limited to 10 students. The Institute will provide an excellent introduction to an exciting field with a growing need for well-trained scientists and engineers.

The program includes a three credit course in digital image processing, taught by Dr. Stephen E. Reichenbach, and a three credit course in computer vision, taught by Dr. Ashok Samal. Building on the class work, the focus of the program is an experimental research experience in the UNL Computer Vision and Image Processing Laboratory. Each student will undertake a research project chosen from a wide-range of applications (such as remote sensing, automated inspection, communication, and robotics) to be conducted with guidance and assistance from the faculty and laboratory assistants. The program also offers guest lectures from UNL researchers doing imaging and vision related work in diverse disciplines and visits to government installations and commercial organizations engaged in image and vision computing such as the Earth Resources Observations Systems (EROS) Data Center, Strategic Air Command (SAC), and MicroImages (a developer of mapping and image processing software used world-wide). Scheduled social and recreational events will also enhance the students' experience.

Students should have an academic background that includes experience with a high-level programming language, introductory calculus, and elementary statistics. We seek students from a variety of academic majors and encourage the participation of underrepresented minorities, women, and persons with

disabilities. Only U.S. citizens and permanent residents are eligible.

The application deadlines and acceptance dates are:

Call for Applications January 15

Postmark for Early Acceptance March 15

Notification of Early Acceptance March 31

Postmark for Late Acceptance April 15

Notification of Late Acceptance April 30

For full consideration, students should apply for early acceptance.

Depending on the number and quality of applications, as many as 8 of the 10 students will be selected for early acceptance. Remaining slots will be filled subsequently from the pool of all applications. Applicants should forward: 1) a letter of application outlining their academic background and including an address and telephone number, 2) grade transcripts, 3) the name, address, and phone number of their collegiate advisor, and 4) two letters of recommendation to:

Institute for Visual Information Processing

Computer Science and Engineering Department

University of Nebraska--Lincoln

Lincoln, NE 68588-0115

For more information, contact:

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