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March 18, 2003

For Immediate Release:

EIU PROFESSOR TO DISCUSS RESEARCH IN BREAST CANCER PREVENTION, CURE

CHARLESTON – An Eastern Illinois University professor whose research on breast cancer prevention and cure has gained national and international attention will discuss his work this week with all interested persons.

S.K. Dey of Eastern's Department of Mathematics, along with S. Charlie Dey, research programmer at the University of Illinois, will present "Computer Simulation of the Anatomy of Breast Cancer" at 7 p.m. Thursday, March 20, in the Booth Library Conference Room, room 4440.

Admission is free and open to the public.

Dey has developed a mathematical model to look into the cure and prevention of breast cancer, including analysis of how the disease grows, metastasizes and, most importantly, how it could be destroyed or contained.

His presentation will feature a computer solution simulating medical imaging of this disease in progress and in recession. In a three-dimensional configuration, motions of cancer cells, lymphocytes and dispersions of chemicals and radiation to destroy cancer will be shown.

Dey's research has taken him around the world as he confers with doctors and fellow scientists. Monetary support via the form of grants – including \$175,458 from NASA in the past year-and-a-half – allows him to continue this work in his fight against cancer.

Thursday's presentation was scheduled as part of Eastern's Booth Library Speaker Series, as well as a Women's History and Awareness Month (WHAM) event.

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NOTE TO MEDIA: We have attached a copy of a January 2003 article published in "Astrogram," a NASA publication, to help provide more information about Dr. Dey's research.