

Wichita State University
Department of Industrial, Systems, and Manufacturing Engineering
ISME Colloquium Presentation

Gregory Sharp, PhD
Associate Professor, Radiation Oncology
Massachusetts General Hospital

Title: Technology and Physics in Radiation Oncology
Date: Friday - February 22, 2019
Time: 11:00 am - 12:00 noon
Location: Hubbard Hall (HH) 218

Abstract

More than half of all cancer patients will receive radiation therapy as part of their treatment. Together with surgery and chemotherapy, modern radiation therapy has led to dramatically improved survival and a higher quality of life for cancer patients. This presentation will introduce the physics and technology that make radiation therapy possible, from its historic beginning to the modern day.



Speaker Biography

Greg Sharp is associate professor in the Radiation Biophysics Division of the Department of Radiation Oncology at Massachusetts General Hospital and Harvard Medical School. He received his Ph.D. degree in computer science engineering from the University of Michigan in 2002. His research interests include medical image registration, segmentation, real-time image-guided radiotherapy, and high-performance computing.