



**Jim Bagian and Paul Lee**  
“Provision of Consistently Safe and High Quality  
Patient Care: Challenges and Solutions”

**Monday November 24, 2014, 4:30-6:30PM in 1123 LBME**

Decreasing the incidence of wrong-site surgery and invasive procedures is a challenge both in and outside of the operating room. Wrong-site surgery is the reviewable sentinel event most frequently reported to the Joint Commission and has been estimated to occur at a rate of 0.09 to 4.5 per 10 000 cases. We will discuss how the introduction of systems-based policies and techniques reduced reported adverse events and increased reporting of close calls.

**Dr. James P. Bagian** is the Director of the Center for Healthcare Engineering and Patient Safety and is a Professor in the Department of Anesthesiology in the Medical School and in the Department of Industrial and Operations Engineering in the College of Engineering at the University of Michigan. Previously, he served as the first Director of the VA National Center for Patient Safety (NCPS) and the first Chief Patient Safety Officer for the Department of Veterans Affairs from 1999 to 2010 where he developed numerous patient safety related tools and programs that have been adopted nationally and internationally. Dr. Bagian served as a NASA astronaut and is a veteran of two Space Shuttle missions and was an investigator of both the Challenger and Columbia Space Shuttle mishaps. Presently, he is applying systems engineering approaches to the analysis of medical adverse events and the development and implementation of systems-based corrective actions that will enhance patient safety primarily through preventive means. He received his B.S. in mechanical engineering from Drexel University and his M.D. from Jefferson Medical College at Thomas Jefferson University. He is a Fellow of the Aerospace Medical Association, a member of the National Academy of Engineering, the Institute of Medicine, and has received numerous awards for his work in the field of patient safety and aerospace medicine.

**Paul P. Lee, M.D., J.D.**, is the F. Bruce Fralick Professor and Chair of the Department of Ophthalmology and Visual Sciences at the University of Michigan; and Director of the W.K. Kellogg Eye Center. Dr. Lee is a glaucoma specialist and an active clinician, surgeon, and teacher. He has published over 200 papers on glaucoma and eye care delivery, particularly on understanding and improving eye care. His research interests include improving access to and the quality of health care, and exploring the impact of health policy and financing on patients and populations. Dr. Lee also serves as consultant to the Centers for Disease Control and Prevention, on the Board of Directors of the American Board of Ophthalmology, on the Advisory Committee of the Hoskins Center for Patient Safety and Quality of the American Academy of Ophthalmology Foundation, and member of the Board of Governors and Chair of the Foundation of the Association of Research in Vision and Ophthalmology.

The seminar series “Providing Better Healthcare through Systems Engineering” is presented by the U-M Center for Healthcare Engineering and Patient Safety: Our mission is to improve the safety and quality of healthcare delivery through a multi-disciplinary, systems-engineering approach.

For additional information and to be added to the weekly e-mail for the series, please contact [genehkim@umich.edu](mailto:genehkim@umich.edu)