

# Biomedical and Health Informatics Series

Tuesday, October 10<sup>th</sup>, Room RR 134

**George Demiris, PhD**

**Associate Professor, Department of Biobehavioral Nursing & Health Systems, Associate Professor, Division of Biomedical and Health Informatics**

## *"Home-based Patient Centered Informatics Applications"*

This presentation focuses on the concept and technologies of home based telehealth and "smart homes" that target senior citizens. A framework will be discussed for evaluating "smart home" systems that includes cost-effectiveness, residents' satisfaction and acceptance, and impact on clinical outcomes and quality of life. Two projects will be discussed, a telehealth system for hospice care and a "smart home" project aiming to support aging in place.

Dr. George Demiris joined the University of Washington over the summer as an Associate Professor of Biobehavioral Nursing and Health Systems in the School of Nursing, and an Associate Professor in Biomedical and Health Informatics in the School of Medicine at the University of Washington. He obtained his PhD degree in Health Informatics from the University of Minnesota. Prior to his current appointment, he was the Director of the Health Informatics Program at the University of Missouri-Columbia. His research focuses on the design and evaluation of home-based informatics applications for the elderly and patients with chronic conditions.

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The Biomedical and Health Informatics lecture series covers current topics and developments in Biomedical and Health Informatics. Presenters include faculty, students, researchers and developers from the University of Washington, other academic institutions, government, and industry (locally and nationally). The intended audience is the broader University of Washington and Seattle area community with an interest in BHI as well as BHI faculty and students.

**Series Website: <http://courses.washington.edu/mebi590/>**