



The Washington Academy of Biomedical Engineering  
2004-2005 Workshop Series

co-sponsored by:

Department of Biomedical Engineering  
The Catholic University of America

# Biomechanical Analysis of Joint Arthroplasty

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**CONSTANTINE DEMETROPOULOS**  
Director, Biomechanics

Harold W. Gehring, M.D. Center for  
Biomechanics and Implant Analysis  
William Beaumont Hospital Research Institute

**Disc Arthroplasty**

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**STAUROS RISTANIS**  
Research Fellow in Orthopaedics

Orthopaedics Sports Medicine Center  
University of Ioannina, Greece

**Biomechanical Motion Analysis  
Evaluation During High Demanding  
Activities after ACL Reconstruction**

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**CONSTANTINE MORAITI**  
Research Fellow in Orthopaedics

Orthopaedics Sports Medicine Center  
University of Ioannina, Greece

**Variability of ACL Deficient Knee with  
Varying Walking Speeds**

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Thursday, February 24th, 2005 from 5:00 pm - 7:30 pm (Reception following)  
The Scullen Room, Pangborn Hall  
The Catholic University of America  
620 Michigan Ave, NE, Washington, DC  
*Metro: Brookland/CUA*

*Parking: Pangborn Parking Lot*

For further information, contact the registration coordinator, Kenneth H. Wong, Ph.D., at 202-784-1521. This workshop is supported in part by grants from the U.S. Army TATRC (Telemedicine and Advanced Technology Research Center) and The Whitaker Foundation. The workshop is free and open to the public.

**About WABME:**

The Washington Academy of Biomedical Engineering, founded in 2003, is a consortium whose charter membership is composed of faculty from academic institutions in Washington, D.C.: The George Washington University, Catholic University of America, Georgetown University, and Howard University. The goal of WABME is to promote collaboration, research, technology transfer, and education in biomedical engineering. This collaborative endeavor is designed to strengthen existing BME research programs and to create new scientific pathways for future discovery.

WABME will host four topical workshops each year to bring together "problem-rich" biomedical disciplines and the "solution-rich" engineering and scientific communities. A central goal of each workshop is to explore a biomedical research issue with sufficient depth and breadth to serve as the foundation work for a biomedical research grant proposal. Faculty from the host institution will identify a comprehensive topic area for scientific exploration. A panel of nationally recognized content experts will frame the issue by presenting challenging ideas or clinical problems, offering biomedical research strategies, and/or potential research-driven solutions for the clinical problems. Their presentations will be followed by a discussion involving all participants, and a reception.

The workshops welcome participation by engineers and scientists from universities, area biomedical and biotechnology firms, research organizations, and federal laboratories and agencies. The intent is that each workshop will lead to the creation of one or more interdisciplinary research teams to solve an important problem in biomedical engineering. In turn, this will foster collaboration among the WABME academic institutions, private industry, and government agencies in the D.C. area.

Further information is available at [www.wabme.org](http://www.wabme.org)