

## Emerging Technologies in Orthopaedics

**Friday, November 14, 2008 7:30 a.m. – 4:15 p.m.**  
**University of Illinois at Chicago, Student Center West**  
**828 South Wolcott Avenue, 2<sup>nd</sup> Floor, Room A/B**

**Purpose:** The purpose of this activity is to enhance the understanding of practicing orthopaedic surgeons of the available and emerging materials and biologics for total joint arthroplasty.  
**Intended Audience:** University of Illinois Orthopedic Surgery faculty, and orthopedic surgeons in the community with special emphasis on our Residency Program alumni.

### Orthopaedic Presenters:

**Mark H. Gonzalez, MD**

Professor and Chairman

UIC Department of Orthopaedics, Chicago, IL.

**Wayne Goldstein, MD**

Clinical Professor, UIC Dept. of Orthopaedics  
President & Founder, Illinois Bone & Joint Inst.  
Morton Grove, IL.

**Alexander Gordon, MD**

Assistant Clinical Professor, UIC Dept of Orthopaedics,  
Illinois Bone & Joint Institute, Morton Grove, IL.

**Craig J. Della Valle, MD**

Associate Professor  
RUSH University Medical Center, Chicago, IL

**Wayne G. Paprosky, MD**

Associate Professor  
RUSH University Medical Center, Chicago, IL.

**David Stulberg, MD**

Professor of Orthopaedic Surgery  
Northwestern University  
Feinberg School of Medicine, Chicago, IL.

**Lalit Puri, MD**

Assistant Professor of Orthopaedic Surgery  
Northwestern University  
Feinberg School of Medicine, Chicago, IL.

**Farid Amirouche, PhD**

Professor & Director of Orthopaedic Research  
UIC Dept. of Orthopaedics & Mech. Eng., Chicago, IL.

**Mark Hanes, PhD**

Director of Materials Research, DePuy Orthopaedics  
Division of *Johnson & Johnson*, Warsaw, IN.

**Abraham Salehi, PhD**

Group Manager of Research Area  
Smith & Nephew, Memphis, TN.

**Scott Logan, MS, Eng.**

Stryker Orthopaedics, Kalamazoo, MI.

**Irina Timmerman, MS, Eng.**

Senior Director of Strategic Research & Market  
Surveillance, Wright Medical Technologies, Inc.  
Arlington, TN.

**Todd Johnson, PhD**

Director of the Analytical and Experimental Mechanics  
Zimmer, Inc., Warsaw, IN.

**Malcolm Naylor, PhD**, Project Manager  
Biomet Orthopedics, Inc., Warsaw, IN.

### Emerging Technology & Device Developments in Orthopaedics

#### Program Objectives:

1. Discuss future directions in total joint arthroplasty.
2. Recognize the need for newer materials to prolong the survival of total joint arthroplasty.
3. Explain the limitations of newer end bearing materials and the potential biologic response.
4. Describe the role of biologics in hip and knee arthroplasty

### Symposium Schedule

7:30 a.m. – 7:55 a.m.

7:55 a.m. – 8:00 a.m.

8:00 a.m. – 8:10 a.m.

8:10 a.m. – 8:45 a.m.

8:45 a.m. – 9:20 a.m.

9:20 a.m. – 9:55 a.m.

9:55 a.m. – 10:10 a.m.

10:10 a.m. – 10:30 a.m.

10:30 a.m. – 10:50 a.m.

10:50 a.m. – 11:20 a.m.

11:20 a.m. – 11:50 p.m.

11:50 a.m. – 12:35 p.m.

12:35 p.m. – 1:00 p.m.

1:00 p.m. – 1:30 p.m.

1:30 p.m. - 1:50 p.m.

1:50 p.m. – 2:10 p.m.

2:10 p.m. – 2:30 p.m.

2:30 p.m. – 3:00 p.m.

3:00 p.m. – 3:20 p.m.

3:20 p.m. – 4:15 p.m.

Registration Coffee

Opening Remarks by Joseph Flaherty, MD  
Dean of UIC College of Medicine

Program Objectives

Mark H. Gonzalez, MD & Wayne Goldstein, MD

Craig J. Della Valle, MD (Hip Resurfacing)

David Stulberg, MD (Short Stem Femoral Prosthesis)

Lalit Puri, MD (Imaging for Osteolysis)

Break

Scott Logan, MS, Eng. (Optimization of Femoral Component  
Placement in TKA)

Todd Johnson, PhD, (Future Directions in Total Joint Arthroplasty  
Development)

Wayne Goldstein, MD, (New Preparation of Patella in Total Knee  
Arthroplasty Improving Biomechanics and Function)

Mark H. Gonzalez, MD, (Patient Specific Modeling)

Lunch

Farid Amirouche, PhD, (Current Trends in Knee Orthopaedics)

Alexander Gordon, MD, (Computer Assisted Revision Total Knee  
arthroplasty: More Than Alignment)

Abraham Salehi, PhD, (Oxinium A New Biomaterial

Application for Hip Resurfacing)

Irina Timmerman, MS Eng. (Advanced Bearings in Total Hip  
Arthroplasty)

Mark Hanes, PhD., (Critical Needs and Emerging Technologies)

Wayne G. Paprosky, MD, (New Technologies for Acetabular Revision  
Surgery)

Malcolm Naylor, PhD (Advanced Biomaterials for Total Joint  
Replacement)

Farid Amirouche, PhD, Round Discussion with Academia and  
Industry on Energy Technologies in TJA

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the University of Illinois at Chicago (UIC) College of Medicine and (Illinois Bone and Joint Institute). The University of Illinois at Chicago (UIC) College of Medicine is accredited by the ACCME to provide continuing medical education for physicians.

The University of Illinois at Chicago (UIC) College of Medicine designates this educational activity for a maximum of (7credits) *AMA PRA Category 1 Credit(s)*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

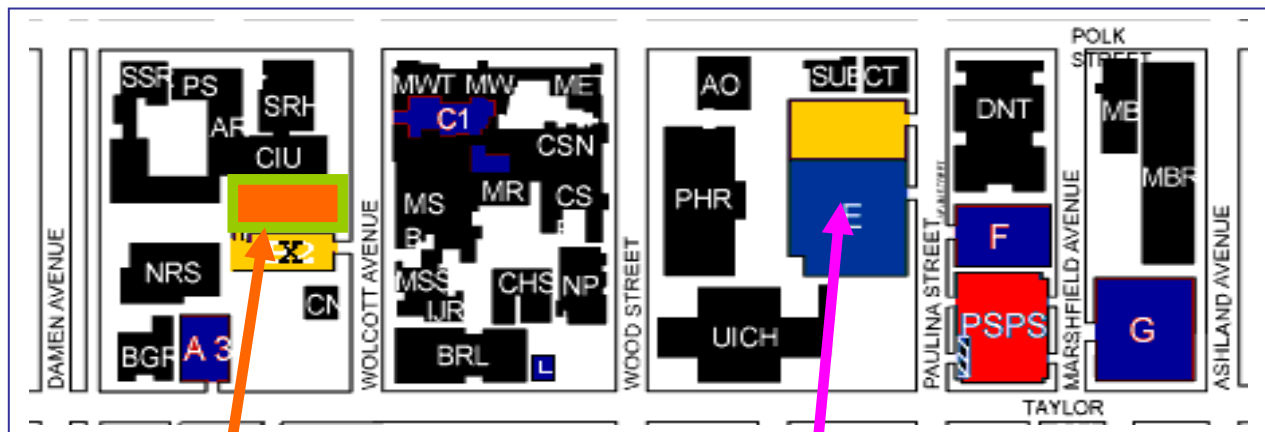
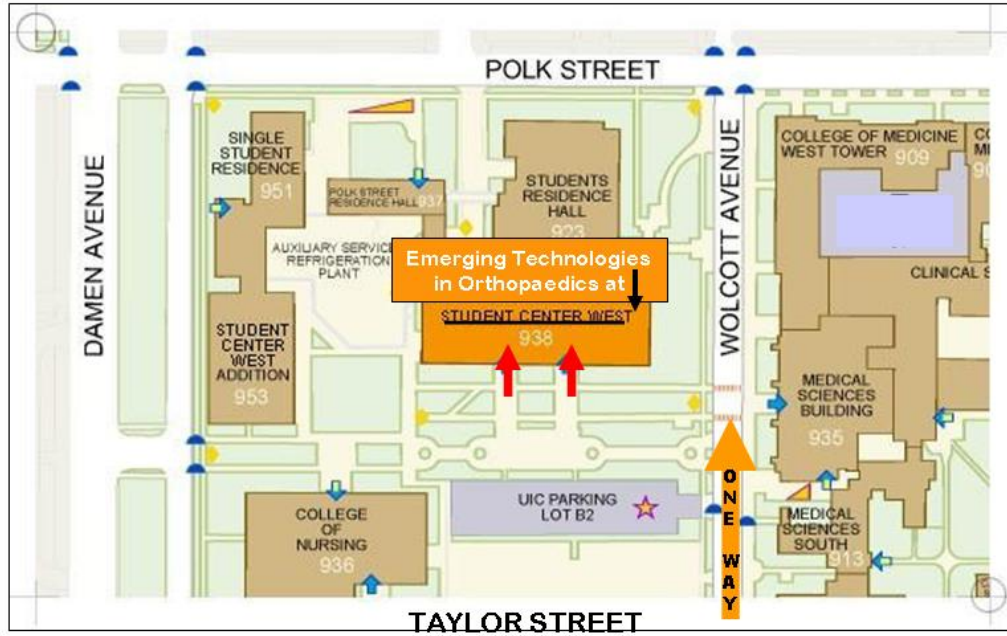
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**UIC** Department of  
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**Orthopedic Surgery**  
COLLEGE OF MEDICINE



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**\*\*Exit the Eisenhower Expressway at Damen Ave., Go South**



**Emerging Technologies Symposium at Student Center West**

**Parking is available:  
1100 South Wood Street  
(Visitor's parking structure)  
Chicago, IL 60612**

# Emerging Technologies in Orthopaedics

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**SYMPOSIUM REGISTRATION \$75.00**

Please RSVP by completing the below form and sending it along with your \$75.00 check  
(written to the University of Illinois) **by Monday, November 10, 2008** to:

University of Illinois at Chicago  
Department of Orthopaedics - Susan King  
835 So. Wolcott Avenue, E-270, MC/844  
Chicago, Illinois, 60612

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

State: \_\_\_\_\_ Zip \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Fax: \_\_\_\_\_

If you have Registration questions please contact Susan King, [susanj@uic.edu](mailto:susanj@uic.edu)

Questions in regards to the Symposium please email Dr. Farid Amirouche, [amirouch@uic.edu](mailto:amirouch@uic.edu)