



UNIVERSITÀ
DEGLI STUDI
FIRENZE

Dipartimento di
Ingegneria Civile e
Ambientale

Dipartimento di
Medicina Sperimentale
e Clinica

Unità di Ricerca Interdipartimentale *BioFlow* - Interdepartmental Research Unit *BioFlow*

SEMINARIO – SEMINAR

CARDIOVASCULAR DYNAMICS: BRIDGING MEDICINE & ENGINEERING

MERCOLEDÌ 26 GIUGNO 2013 - WEDNESDAY 26TH JUNE 2013

Scuola di Ingegneria - School of Engineering

Via S. Marta 3, Firenze

AULA CAMINETTO

10:30 A.M.

Prof. Giorgio Galanti, M.D.

Full Professor of Internal Medicine

Chief of Postgraduate School of Sports Medicine

Chief of Sports Medicine and Exercise Research Unit

Dipartimento di Medicina Sperimentale e Clinica - University of Firenze, Italy

ATHLETE'S HEART: FROM MYTH TO REALITY

11:15 A.M.

Prof. Gianni Pedrizzetti, Ph.D.

Full Professor of Fluid Mechanics and Biomechanics

Dipartimento di Ingegneria e Architettura - University of Trieste, Italy

Department of Cardiology - Icahn School of Medicine at Mt. Sinai, NY

CARDIAC FLOWS, FROM THEORY TO CLINICAL APPLICATIONS

12:00 A.M.

Prof. Arash Kheradvar, M.D., Ph.D., FAHA

Associate Professor of Biomedical Engineering and Medicine

Edwards Lifesciences Center for Advanced Cardiovascular Technology

University of California, Irvine, CA

***NOVEL APPROACHES TO RESEARCH & DEVELOPMENT OF HEART
VALVES***

The seminar is focused on the most recent advances in theoretical, experimental and numerical analysis of cardiovascular dynamics, coupling clinicians' and engineers' expertise. The medical point of view will be followed and supported by engineered-based concept, giving an overview of the future developments in this interdisciplinary field of research.

Lectures are oriented to Ph.D students and Post-Doc researchers.

I più recenti progressi nello studio teorico, sperimentale e numerico della dinamica cardiovascolare sono l'oggetto del seminario, con contributi alla frontiera tra le discipline mediche e l'ingegneria. I relatori illustreranno le applicazioni di concetti e metodi dell'ingegneria a problemi in ambito medico, aprendo la prospettiva a futuri sviluppi nella ricerca.

Il seminario è principalmente rivolto a studenti di dottorati e ricercatori Post-Doc.

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