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Scientific Program

Proceedings of

2nd Biomedical Engineering Conference and Expo

November 30-December 01, 2015 San Antonio, USA



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Scientific Program

Day 1 November 30, 2015

09:00-09:30 Registrations

TEXAS-D

09:30-10:00 **Opening Ceremony**

Keynote Forum

10:00-10:45	**Soft tissue augmentation with novel synthetic polymers** **Robert C DiLuccio,** Independent Medical Technology Consultant, USA

Coffee Break: 10:45-11:00 @ Foyer

11:00-11:45	**A New Generation of Medical Devices Based on Biocompatible Ultrananocrystalline (UNCD®) Diamond Coatings.**
	Pablo Gurman, University of Texas at Dallas, USA

Scientific Sessions

Track 1: Clinical and Diagnostic Biomedical Devices
Track 4: Biosensors and Bioelectronics
Track 5: Rehabilitation Engineering and Surgical Devices
Track 6: Applications of Biomedical Engineering
Track 7: Nano materials and Nanotechnology
Track 8: Research On Biomedical Imaging and Bio signals
Track 9: Diagnostic Techniques in Dermatology and Cosmetic Dermatology

Session Chair: **Pablo Gurman,** University of Texas at Dallas, USA

Session Introduction: 11:45-11:55

11:55-12:25	**An automated and minimally invasive tool harvests viable epidermis capable of cellular outgrowth using a bench skin model**
	Sandra N Osborne, KCI- an Acelity Company, USA
12:25-12:55	**Synthesis of MRI contrast agents for the non invasive imaging and evaluation of tissue engineering constructs**
	Alicja E Kownacka, University of Hull, UK

Group Photo:12:55-13:00

Lunch Break: 13:00-14:00 @ TEXAS-A

14:00-14:20	**Synthetic Blood – Artificially grown red blood cells.**
	Kenneth P Grismore, Xacobo Bio-Engineering, USA
14:20-14:50	**Measure the DNA double labeling efficiency by fluorescence correlation spectroscopy**
	Sen Hou, Polish Academy of Sciences, Poland

14:50-15:20	**Investigation of wear in orthopaedic hip prosthetic devices**
	Obinna K Ihesiulor, University of New South Wales, Australia
15:20-15:50	**Operational safety improvement in medical-grade oxygen production plant in some Nigerian hospitals**
	Akintayo Kehinde Akeen, University of Lagos, Nigeria
	Coffee Break: 15:50-16:00 @ Foyer
16:00-16:30	**Statistical Analysis of 3D Images of Alzheimer's disease**
	Mohamed M Dessouky, University of Menoufiya, Egypt
16:30-17:00	**Photo-luminescent carbon quantum dot-layered double hydroxide composites for diagnostic applications**
	Namrata Tiwari, Indian Institute of Technology- BHU, India

Day 2 December 01, 2015

TEXAS-D

Keynote Forum

10:00-10:40	**EHR data querying network for advancing patient cohort discovery** **Bhanu Bahl,** Director for Informatics Program at Harvard Medical School, USA
10:40-11:20	**Loss of handgrip force due to emulated finger amputations** **Diego F Villegas,** Universidad Industrial de Santander, Colombia
	Coffee Break: 11:20-11:35 @ Foyer

Scientific Sessions

Track 1: Clinical and Diagnostic medical devices
Track 3: Computational Biological systems for modeling biological process
Track 5: Rehabilitation Engineering and Surgical Devices
Track 6: Applications of Biomedical Engineering
Track 9: Diagnostic Techniques in Dermatology and Cosmetic Dermatology

Session Chair: Bhanu Bahl, Director for Informatics Program at Harvard Medical School, USA

Session Introduction: 11:35-11:40

11:40-12:10	**Bioengineering System for Prediction and Early Prenosological Diagnostics of Stomach Diseases Based on Energy Characteristics of bioactive Points with Fuzzy Logic**
	Riad Taha Al-kasasbeh, Al-Balqa Applied University, Jordan
12:10-12:40	**A Comparison between windowing FIR Filters for Extracting the EEG Components**
	Mawia A Hassan, Sudan University of Science & Technology, Khartoum, Sudan
12:40-13:10	**An adaptive numerical algorithm with oversizing prevention for computation of cardiac action potential simulations**
	Nien-Du Yang, National Sun Yat-sen University, Taiwan
	Lunch Break: 13:10-14:00 @ TEXAS-A
14:00-14:30	**ECM mimetics: Biopolymer microheterogeneous hydrogels for tissue engineering and regenerative medicine**
	Victor I Sevastianov, Ministry of Health of the Russian Federation, Russia

14:30-15:00	**Kinematic analysis of human gait for typical postures of walking, running and cart pulling**
	Nupur Karmaker, Gono Bishwabidyala, Bangladesh
15:00-15:30	**Telemetery based medical diagnosis**
	Swarna Rubhini J, Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, India
15:30-16:00	**Numerical investigation of wall elasticity effects on blood flow and low density lipoprotein mass transfer in carotid bifurcation**
	Majid Ghassemi, KNT University of Technology, Iran

Coffee Break: 16:00-16:15 @ Foyer

Panel Discussion: 16:15-17:00

Closing Ceremony



Bookmark your dates

3rd Biomedical Engineering Conference and Expo

November 07-08, 2016 Barcelona, Spain

Website: http://biomedical.conferenceseries.com/

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