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Part I Conference Schedule

Tuesday Aug. 18, 2015

Time	Activity	Location
08:00-19:00	Registration	Lobby of Mecure Shanghai Royalton(Royalton Hotel)

Notes: Please take Participating Card for the venue and Tour Card for the tour.

Wednesday Morning, Aug. 19

Time	Activity	Location: 5th floor, Crown Hall
08:30-08:40	Opening Ceremony	
08:40-09:25	Keynote Speech 1: An LMS Algorithm for Characterization of BioSignal Shape *Dr. Edward J. Ciaccio*	
09:25-10:10	Keynote Speech 2: Computer-Aided Diagnosis of Myocardial Infarction Using Ultrasound Images with Second-Order Statistics, DWT and HOS Methods: A Comparative Study *Dr. Ng Yin Kwee*	
10:10-10:30	Pose for a Group Photo and Coffee Break	
10:30-11:15	Keynote Speech 3: Surgical Imaging, Biophotonics and Endoscopy *Dr. Daniel Elson*	
11:15-12:00	Keynote Speech 4: Early Detection and Treatment of Metastatic Breast Cancer *Prof. Zheng-Rong Lu*	

Wednesday Noon, Aug. 19

Time	Activity	Location: 2nd floor, Hong Kong Hall
12:30-13:30	Buffet Lunch	

Wednesday Afternoon, Aug. 19

Time	Poster Presentation	Location
14:00-14:45	Keynote Speech 5: The Importance of Scientific Journals for Advancement in Biomedicine *Prof. David De Jong*	5th floor, Crown Hall
14:45-15:00	Coffee Break	3rd floor, Royal Hall I
15:00-16:00	Poster 1: Biomedical Engineering	3rd floor, Royal Hall I
	Poster 2: Biomedical Imaging & Signal Processing	
16:00-17:00	Poster 3: Biomaterial	
	Poster 4: Biomechanical Engineering	

Wednesday Evening, Aug. 19

17:00-17:45	Buffet Dinner Location: Oasis Tower Hotel
18:00-21:00	Gathering at the lobby of Oasis Tower Hotel at 17:45 and going for a trip to the Bund and Huangpu River Cruises

Thursday Morning, Aug. 20

Time	Oral Presentation	Location
08:00-12:00	Oral 1: Biomedical Engineering	4th floor, Hugo Hall
	Oral 2: Biomedical Imaging & Signal Processing (1)	3rd floor, Royal Hall Ⅱ
	Oral 3: Biomaterial	4th floor, Zola Hall

Thursday Noon, Aug. 20

12:00-13:00	Buffet Lunch Location: 2nd floor, Hong Kong Hall

Thursday Afternoon, Aug. 20

Time	Oral Presentation	Location
14:00-17:30	Oral 4: Biomechanical Engineering	4th floor, Hugo Hall
	Oral 5: Biomedical Imaging & Signal Processing (2)	3rd floor, Royal Hall Ⅱ

Thursday Evening, Aug. 20

18:00-19:30	Awarding Dinner Location: Oasis Tower Hotel

Friday, Aug. 21

07:00-18:00	Royalton Hotel → Zhujiajiao Ancient Town → Having supper at Shanghai Classical Hotel → The Oriental Pearl TV Tower → the Old City God's Temple → Royalton Hotel

大会日程（中文版）

2015 年 8 月 18 日-21 日

时间	日程安排	地点
08:00-19:00	注册报到	上海虹桥美仑美居酒店（上海美仑大酒店）

注：会议期间请随身携带参会胸牌，旅游需出示旅游券。

8 月 19 日，星期三上午

时间	日程安排	地点：皇冠厅（5 楼）
08:30-08:40	开幕式	
08:40-09:25	主题报告 1：An LMS Algorithm for Characterization of BioSignal Shape 报告专家：Edward J. Ciaccio 博士	
09:25-10:10	主题报告 2：Computer-Aided Diagnosis of Myocardial Infarction Using Ultrasound Images with Second-Order Statistics, DWT and HOS Methods: A Comparative Study 报告专家：Ng Yin Kwee 博士	
10:10-10:30	与会代表集体合影及茶歇	
10:30-11:15	主题报告 3：Surgical Imaging, Biophotonics and Endoscopy 报告专家：Daniel Elson 博士	
11:15-12:00	主题报告 4：Early Detection and Treatment of Metastatic Breast Cancer 报告专家：Zheng-Rong Lu 教授	

8 月 19 日，星期三中午

时间	日程安排	地点
12:30-13:30	自助午餐	香港厅（2楼）

8 月 19 日，星期三下午

时间	日程安排	地点
14:00-14:45	主题报告 5：The importance of scientific journals for advancement in biomedicine 报告专家：David De Jong 教授	皇冠厅（5 楼）
14:45-15:00	茶歇	凯旋一厅（3 楼）
15:00-16:00	张贴报告 1：生物医学工程	凯旋一厅（3 楼）
	张贴报告 2：生物医学影像	
16:00-17:00	张贴报告 3：生物力学工程	
	张贴报告 4：生物材料	

8 月 19 日，星期三晚上

时间	日程安排	地点
17:00-17:45	自助晚餐	绿洲大厦酒店
18:00-21:00	夜游外滩及黄浦江（**17:45** 在绿洲酒店大厅集合）	

8 月 20 日，星期四上午

时间	日程安排	地点
08:00-12:00	口头报告 1：生物医学工程	雨果厅（4 楼）
	口头报告 2：生物医学影像（1）	凯旋二厅（3 楼）
	口头报告 3：生物材料	左拉厅（4 楼）

8 月 20 日，星期四中午

时间	日程安排	地点
12:00-13:00	自助午餐	香港厅（2 楼）

8 月 20 日，星期四下午

时间	日程安排	地点
14:00-17:30	口头报告 4：生物力学工程	雨果厅（4 楼）
	口头报告 5：生物医学影像（2）	凯旋二厅（3 楼）

8 月 20 日，星期四晚上

时间	日程安排	地点
18:00-19:30	颁奖晚宴	绿洲大厦酒店

8 月 21 日，星期五

07:00-18:00	上海一日游: 上海虹桥美仑美居酒店（上海美仑大酒店）→朱家角镇→上海老饭店就餐→东方明珠广播电视塔→城隍庙→美仑大酒店

Part II Invited Keynote Speakers

Keynote Speaker: Dr. Edward J. Ciaccio

Dr. Edward J. Ciaccio

Columbia University, USA

Dr. Edward J. Ciaccio is a computational biologist and biomedical engineer. Since 2010 he has been a faculty member in the Department of Medicine - Division of Cardiology at Columbia University Medical Center in New York City, and since 2014 he holds the top-level rank of senior research scientist. Dr. Ciaccio's main areas of research focus are biosignal analysis (cardiac electrophysiology), and bioimage analysis (videocapsule studies for celiac disease). Dr. Ciaccio has received an Established Investigator Award from the American Heart Association (1998) and a Paper of the Year Award from Heart Rhythm Journal (2008). He became editor-in-chief of Computers in Biology and Medicine, published by Elsevier, in January 2013. He is also an editorial board member for BioMedical Engineering OnLine, Heart Rhythm, Journal of Cardiovascular Electrophysiology, World Journal of Gastroenterology, and World Journal of Gastrointestinal Endoscopy. Dr. Ciaccio reviews for over 30 scientific journals and has published over 80 peer-reviewed articles in his field. His current research focus includes the development of a electrical activation wavefront curvature model of reentrant ventricular tachycardia. This work may also be applicable to the mechanism of induction and maintenance of other heart arrhythmias. He is also working on a book entitled 'Handbook of Intelligent Bioengineering Systems' which will include methods and results for fast analysis of biomedical data.

Keynote Speaker: Dr. Ng Yin Kwee

Dr. Ng Yin Kwee

Nanyang Technological University, Singapore

Dr. Ng Yin Kwee received his Ph.D. from Cambridge University, UK and is an associate professor at Nanyang Technological University, Singapore. He serves as editor for eight international journals and as Editor-in Chief for two SCIE indexed Journals. His research interests are in thermal imaging, biomedical engineering, breast cancer detection, and computational fluid dynamics and heat transfer. Ng has had more than 250 ISI journal articles and 80 conference papers and 11 books published including "Compressor Instability with Integral Methods" by Springer (2007); "Cardiac Pumping and Perfusion Engineering" by WSPC Press (2007); "Imaging and Modelling of Human Eye" by Artech House (2008); "Distributed Diagnosis and Home Healthcare, D2H2 v.1 & 3" by ASP (2009, 2012); "Performance Evaluation in Breast Imaging, Tumor Detection & Analysis" by ASP (2010);

"Computational Analysis of Human eye with Applications" by WSPC (2011); "Multimodality Breast Cancer Imaging" by SPIE (2013); "Human eye imaging and modeling", "Image Analysis and Modeling in Ophthalmology" & "Ophthalmology Imaging and Applications" by CRC (2013, 2014). He has supervised more than 6 researchers as well as over 25 Master and PhD's students. He has amassed over SGD\$5M worth of research funding from various organizations in the capacity of the principal investigator.

Keynote Speaker: Dr. Daniel Elson

Dr. Daniel Elson

Imperial College, London, UK

Dr. Daniel Elson is a Reader (associate professor) in the Hamlyn Centre for Robotic Surgery, Department of Surgery and Cancer and the Institute of Global Health Innovation. Research interests are based around the development and application of photonics technology with endoscopy for surgical imaging applications, including multispectral imaging, polarization-resolved imaging, fluorescence, and laser speckle contrast imaging. Further projects include work on the development of illumination and vision systems for endoscopy combining miniature light sources such as LEDs and laser diodes with computer vision techniques for structured lighting and tissue surface reconstruction. These devices are finding application in minimally invasive and in the development of new flexible robotic assisted surgery systems. This research has been funded by the national and European funding bodies and charities, as well as collaborations with industrial partners such as Karl Storz, Covidien, Cymtec and Intuitive Surgical. Dr. Elson has published over 60 peer reviewed journal articles, nine book chapters and has contributed to more than 200 conferences.

Keynote Speaker: Prof. Zheng-Rong Lu

Prof. Zheng-Rong Lu

Imperial College, London, UK

Dr. Zheng-Rong Lu is M. Frank Rudy and Margaret Domiter Rudy Professor of Biomedical Engineering at Case School of Engineering, Case Western Reserve University. Dr. Lu received his B.S. and M.S. in Chemistry from Lanzhou University, and Ph.D. in Chemistry from Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, Lanzhou, China. In 1992, Dr. Lu was recruited as Associate Professor of Chemistry and promoted to Professor of Chemistry shortly after at Wuhan University in China. In 2002, Dr. Lu was recruited as Assistant Professor in Department of Pharmaceutics and Pharmaceutical Chemistry, University of Utah, and promoted to a tenured

Associate Professor in 2006. Dr. Lu's research efforts involve molecular imaging, novel MRI contrast agents, drug delivery systems, and multifunctional delivery systems for nucleic acids.   He has over 140 peer-reviewed scientific publications, eight book chapters, and four US patents.   He is a Principal Investigator of several major grants from the NIH.   He has served on numerous NIH study sections, scientific advisory board of Pharmaceutical Research, Molecular Pharmaceutics, and American Journal of Nuclear Medicine and Molecular Imaging. He is a Fellow of the American Institute for Medical and Biological Engineering.

Keynote Speaker: Prof. David De Jong

Prof. David De Jong

University of São Paulo, Brazil

David De Jong Ph.D. (Cornell University) is a geneticist and entomologist. He has been a faculty member of the Ribeirão Preto School of Medicine in the University of São Paulo since 1988, where he teaches genetics, evolution and scientific writing in the Genetics Department. He has also given scientific writing courses in various universities, throughout Brazil. Dr. De Jong's principal areas of research are honey bee pathology, behavior, nutrition and genetics. He is an international consultant in apiculture, having participated in projects for FAO (Food and Agriculture Organization of the United Nations), IDB (Interamerican Devolopment Bank) and various other organizations in the majority of the countries in Central and South America, as well as South Korea, and has given talks and courses as an invited speaker in more than 20 countries. Dr. De Jong was associate editor of the Brazilian Journal of Genetics (renamed Genetics and Molecular Biology) from 1988 to 2001 and associate editor of Genetics and Molecular Research from 2002 to 2015. He is the author of over 100 refereed papers and has also authored several books and book chapters. He is known and consulted as a specialist on (honey bee) colony collapse disorder (CCD), Africanized honey bees, and honey bee pathology, especially because his research on the parasitic mite, Varroa destructor, the principal agent causing bee mortality worldwide.

Part III Invited Keynote Speeches

Keynote Speech 1 An LMS Algorithm for Characterization of BioSignal Shape

Speaker: Dr. Edward J. Ciaccio
Columbia University, USA
Time: 08:40-09:25, Wednesday Morning, Aug. 19
Location: 5th floor, Crown Hall

Abstract:

Shape is an important biomedical signal component which is often overlooked in feature extraction, signal classification, and matching schemes. Presently, simple statistical and syntactic metrics are often used to capture signal morphology, such as mean and variance calculation and peak-counting. However, the essence of signal shape is not well elucidated by these methods. It would therefore be useful to improve the calculation paradigm. A biomedical signal can be defined by its extrinsic shape (x-axis and y-axis shift and scale) and intrinsic shape (shape after normalization of extrinsic features). To increase efficacy for morphologic characterization, a least mean squares (LMS) algorithm can be implemented to adaptively seek optimal performance criteria using the method of differential steepest descent. Equations for normalization of x-axis and y-axis shift and scale should be formulated to normalize and measure extrinsic signal shape, enabling the remaining, intrinsic signal shape to be identified.

As an example, fractionated atrial electrograms, which are signals with multiple random deflections obtained from the endocardial heart surface with a standard ablation catheter during electrophysiologic study, can be utilized to demonstrate the new algorithm efficacy. These signals were acquired with a standard ablation catheter at a 977 Hz sampling rate in 10 paroxysmal and 10 persistent atrial fibrillation patients. Each original signal was matched with a version of itself that had been altered in x-axis and y-axis shift and scale. Over 24 trials, adaptation of the altered to the original signals, using the new algorithm with four weights, was compared to adaptation using the Widrow-Hoff LMS algorithm with four tapped delays. Time for convergence and error after convergence were compared. The new LMS algorithm was also applied to electrocardiograms acquired from atrial fibrillation patients, for atrial wave enhancement and for monitoring of extrinsic changes in signal shape.

Based on the mathematical formulation of the new LMS algorithm, y-shift and y-scale adjustments were shown to be equivalent to the scalar form of the Widrow-Hoff LMS algorithm. However, for x-shift and x-scale adjustment, rather than implementing a long tapped delay line as is utilized by the Widrow-Hoff LMS algorithm, the new method is comprised of a two-weight system. After convergence, the matching error for paroxysmal electrograms averaged $0.46 \pm 0.49 \mu V^2$/sample for the new LMS algorithm versus $0.72 \pm 0.35 \mu V^2$/ sample for the Widrow-Hoff LMS. The matching error for persistent electrograms averaged $0.55 \pm 0.95 \mu V^2$/sample for the new LMS algorithm versus $0.62 \pm 0.55 \mu V^2$/sample for the Widrow-Hoff LMS. The mean convergence time was approximately 1 second (977 discrete sample points) for both algorithms. The new LMS algorithm was useful for electrocardiogram F wave enhancement by subtraction of an adaptively weighted prototypical reference. The extrinsic weighting over 25s demonstrated that patient respiration and other time-varying functions can be identified and monitored.

Based on the comparative analysis, the new LMS algorithm is able to normalize extrinsic electrogram signal shape and to enhance the electrocardiogram F wave in atrial fibrillation patients. The new LMS weighting at convergence provides an estimate of the degree of similarity between any two signals in terms of x-axis and y-axis shift and scale. The algorithm is computationally efficient with low estimation error. Applications for this implementation include monitoring of extrinsic and intrinsic signal shape, as well as enhancement of low-level signal components when a reference can be used for adaptive cancellation of larger masking features.

Keynote Speech 2 Computer-Aided Diagnosis of Myocardial Infarction Using Ultrasound Images with Second-Order Statistics, DWT and HOS Methods: A Comparative Study

Speaker: Dr. Ng Yin Kwee
Nanyang Technological University, Singapore
Time: 09:25-10:10, Wednesday Morning, Aug. 19
Location: 5th floor, Crown Hall

Abstract:

Myocardial Infarction (MI) or heart attack is the most common type of coronary heart disease (CHD) and is the leading cause of cardiac death worldwide. Precise and timely identification of MI and extent of muscle damage helps in early treatment and reduction in the time taken for further tests. MI diagnosis using 2D echocardiography is prone to inter/intra observer variability in the assessment. Therefore, a computerised scheme based on image processing and artificial intelligent techniques can reduce the workload of clinicians and improve the diagnosis accuracy. A Computer-Aided Diagnosis (CAD) of infarcted and normal ultrasound images will be useful for clinicians.

In this talk, I will first discuss the application of various texture analysis methods to accurately extract the features and detect normal and infarcted myocardium using echocardiography images. In this work, the performance of CAD approach using DWT, second order statistics calculated from Gray-Level Co-Occurrence Matrix (GLCM) and Higher Order Spectra (HOS) texture descriptors are compared. The proposed system is validated using 1600 MI and 1600 normal ultrasound images, obtained from 80 patients with MI and 80 normal subjects respectively. The extracted features are ranked based on t-value and fed to the Support Vector Machine (SVM) classifier, to obtain the best performance using minimum number of features. The features extracted from DWT coefficients obtained an accuracy of 98.8%, sensitivity of 98.5%, specificity of 99%; GLCM have achieved an accuracy of 92.1%, sensitivity of 88.1%, specificity of 96%; and HOS obtained an accuracy of 98.6%, sensitivity of 98.0%, specificity of 99.2%. Among the three techniques presented HOS texture descriptor yielded the highest classification accuracy. Thus proposed CAD approach may be used as an adjunct tool to assist cardiologists in making a more accurate diagnosis on the presence of MI in hospitals and polyclinics.

Keynote Speech 3 Surgical Imaging, Biophotonics and Endoscopy

Speaker: Dr. Daniel Elson
Imperial College, London, UK
Time: 10:30-11:15, Wednesday Morning, Aug. 19
Location: 5th floor, Crown Hall

Abstract:

Surgical imaging describes the application of a range of imaging, vision and optical techniques to

assist surgeons in intrasurgical decision making. In this talk I will describe how various biophotonics and optical imaging approaches may be adapted for surgical endoscopic application, including the use of multispectral imaging and polarization resolved imaging. Furthermore, the integration of these approaches with existing and new robotic platforms will be described, allowing improved ergonomics as well as better mechanical scanning of optical spectroscopic probes for more accurate optical diagnostics. A new approach for endoscopic structured lighting has also been developed for the detection of tissue surface curvatures during surgery. This work is driven by the need to provide a higher degree of control and vision for the surgeon, and to complement the standard white light reflection images.

Keynote Speech 4 Early Detection and Treatment of Metastatic Breast Cancer

Speaker: Prof. Zheng-Rong Lu
Department of Biomedical Engineering, Case Western Reserve University, USA
Time: 11:15-12:00, Wednesday Morning, Aug. 19
Location: 5th floor, Crown Hall

Abstract:

Early detection and diagnosis of high-risk cancer is critical in decision-making and tailoring effective treatment. Development of new therapeutics is essential to treat the patients diagnosed with high-risk cancer and to improve their survival and quality of life. Our lab is focused on translational development of new diagnostics and therapeutics for early detection and effective treatment of the diseases that impair and threaten human lives. We have designed and developed targeted Gd(III) based MRI contrast agents for detecting a biomarker associated with cancer metastasis and highly expressed in the extracellular matrix of malignant tumors. The targeted contrast agents specifically bind to the biomarker, resulting in high-resolution contrast enhanced molecular MRI of the tumors with a size as small as 0.5 mm and are effective for imaging and detection of micrometastases. We have also developed targeted multifunctional delivery systems to deliver therapeutic siRNAs to regulate the expression of disease related genes to effectively treat life-threatening diseases, including metastatic breast cancer. The targeted siRNA delivery system can effectively silence a target gene associated with breast cancer metastasis via systemic administration to prevent cancer progression and metastasis in mouse triple negative breast cancer models.

Keynote Speech 5 The Importance of Scientific Journals for Advancement in Biomedicine

Speaker: Prof. David De Jong
Genetics Department, Ribeirao Preto Medical School, University of São Paulo, Brazil
Time: 14:00-14:45, Wednesday Afternoon, Aug. 19
Location: 5th floor, Crown Hall

Abstract:

Scientific journals are purveyors of knowledge. They divulge advancements in science in a way that both establishes credit for discovery and makes them available to other scientists and the public, who can use the new information. Technological advancement in all areas, including the health sciences, has helped man live better and longer. Making this knowledge available in an accessible and secure manner is a key part of this process. However, other aspects of the manner in which scientific journals deal with and transform submissions has a greater impact on how science is conducted than what is normally perceived by laymen, policy makers and even many scientists. Journal editorial boards evaluate manuscripts and those found to be potentially suitable are sent out for peer reviewer. Reviewers help determine if the research is original, pertinent, well conducted and worth publishing. They may find errors that if uncorrected would result in bad research being published that could confuse the field instead of adding useful knowledge. They also comment on the best ways to conduct research, helping the authors to improve their procedures and understanding of the field. They may point to pertinent publications unknown to the researchers that can affect or even completely change their conclusions. This process is not perfect, and mistakes are made. However, the process tends to be self correcting and has helped the health sciences advance considerably during the last 100 years. Scientists in third world countries also make important contributions, but many have difficulty publishing because of language and other limitations. Scientific journals in these countries, though often considered to be of less importance, have a key role because they help guide such authors through the publication process. These efforts should be recognized and facilitated so that research in these countries can advance and more effectively contribute to the health sciences worldwide.

Part IV Poster Session

Poster Presentation

Materials Provided by the Conference Organizer:

- X Racks & Base Fabric Canvases (60cm×160cm, see the figure below)
- Adhesive Tapes or Clamps

Materials Provided by the Presenters:

- Home-made Posters

Requirement for the Posters:

- Material: not limited, can be posted on the Canvases
- Size: smaller than 60cm×160cm
- Content: for demonstration of the presenter's paper

Requirement for the Presenters:

- Stand beside his/her Poster through the Session, and discuss with the readers about his/her paper

Time:

- Aug. 19, 15:00-17:00

Location:

- 3rd floor, Royal Hall Ⅰ

Poster Session_1 Biomedical Engineering

Paper ID	Paper Title	Author
CBB1030	A passively safe cable driven upper limb rehabilitation exoskeleton	Yanyan Chen
CBB1109	Integration of multi-microarray datasets to identify chronic obstructive pulmonary disease-related miRNAs	Hua Lin
CBB1166	Large-scale production of recombinant plasmid pUDK-HGF for clinical application	ChunSheng Hu
CBB1187	Small-area low-power heart condition monitoring system using dual-mode SAR-ADC for low-cost wearable healthcare systems	Young-San Shin
CBB1205	Milkvetch root improves immune function in patients with acute exacerbation of COPD	Donglin Jiang
CBB1457	Motion control of bacteriobots based on bacterial chemotaxis	Shaohui Zheng
CBB1477	Clilical application of GP73 for hepatocellular carcinoma with transarterial chemoembolization combined radiofrequency albotion	Xinfeng Li
CBB1502	Laparoscopic Choledochoscopic (LC) Plasma Chock Wave Lithotripsy in the Treatment of Intra and Extrahepatic Bile Duct Stones	Xinfeng Li
CBB1527	Effects of pH on sex organ differentiation and sexual reproduction in the endangered aquatic fern Ceratopteris pteridoides	Yuan-Huo Dong
CBB1555	BBO Improves Tumor Detection in MRI Scanning	Shuihua Wang
CBB1571	Outcome Analysis of Condylar Prosthesis in Large Head and Neck Neoplasms Reconstruction	Jehn-Shyun Huang
CBB1650	Improve the Diagnosis of Atrial Hypertrophy with the Local Discriminative Support Vector Machine	Ping Ling
CBB1677	Identification of 13 blood-based gene expression signatures to accurately distinguish tuberculosis from other pulmonary diseases and healthy controls	Hai-Hui Huang
CBB1696	Preliminary Testing for the Markov Property of the Fifteen Chromatin States of the Broad Histone Track	Kyung-Eun Lee

CBB1708	Development of a bacteria-based microrobot using chitosan-coated liposomes	Van Du Nguyen
CBB1725	Smart healthcare system in dietary behavior recommendations based on physiological data	Ying-Chieh Liu
CBB1739	Development of Biomarker Positivity Analysis System for Cancer Diagnosis Based on Clinical Data	Peom Park
CBB1763	Expression of apolipoprotein M in human peripheral blood mononuclear cells	Shuang Yao
CBB1783	An On-Chip Amperometric Sensor Readout Circuit with Current Integrator and Redox Potential Generator for Biosensing Applications	Shu-Yu Chang
CBB1829	Performance Evaluation of a Multichannel Fiber-optic Dosimeter to Measure Planar Dose Distribution of Diagnostic X-ray Beam	Hyesu Jeon
CBB1844	Discrete virus infection model of hepatitis B virus	Pengfei Zhang
CBB1867	Identification of dual active agents targeting 5-HT1A and SERT by combinatorial virtual screening methods	Panpan Wang
CBB1868	Novel design for developing a compact enhanced drug penetration drug delivery device using iontophoresis technique	Qun Wei
CBB1907	Wireless charing pillow for a fully implantable hearing aid: Design of a circular array coil based on finite element analysis for reducing magnetic weak zones	Hyung-Gyu Lim
CBB1922	A Lightweight Interface for HL7 Messaging of Continuous Biometric Data	Juyoung Park
CBB2107	Multichannel Visible Light Communication with Wavelength Division for Medical Data Transmission	Wan-Young Chung
CBB2121	Osteogenic differentiation of three-dimensional bio-printed constructs consisting of human adipose-derived stem cells	Xiao-Fei Wang
CBB2125	Human and Car Detection System for Blind People	Ayat Nada
CBB2145	A preliminary study on the effect of nano hydroxyapatite on human adipose- derived mesenchymal stem cells mixture 3D bio-printing	Yang Song
CBB2179	Autonomous mobile medical service robot: scenarios of behavior and a world model	Dmitry Rogatkin
CBB2237	Acoustic Assistance in Demand for the Aging on Computer Cursor Navigation	Chi Nung Chu
CBB2336	Investigation of low-level laser therapy potentiality on proliferation and differentiation of human adipose-derived stromal cells with or without 3D bioprinting	Huaxin Sui
CBB2379	Okra Polysaccharide Inhibiting Hepatic Gluconeogenesis by Reducing KLF15 and PGC-1α in Insulin-resistant Mice	Lin Chen
CBB2418	Evaluation of Antioxidant Capacity of Chinese Medicine Formulae 1	Zhiguan Huang
ICBE2205	Fuzzy Naive Bayesian for constructing regulated network with weights	Xi Y. Zhou

Paper ID	Paper Title	Author
ICBE2314	Hematocrit estimation using online sequential extreme learning machine	Hieu Trung Huynh
ICBE2425	Sleep snoring detection using multi-layer neural networks	Tan Loc Nguyen

Poster Session_2 Biomedical Imaging & Signal Processing

Paper ID	Paper Title	Author
CBB1134	A study of sleep staging based on a sample entropy analysis of electroencephalogram	Datian Ye
CBB1146	Psychophysiological Classification and Experiment Study for Spontaneous EEG Based on Two Novel Mental Tasks	Hui Wang
CBB1237	Atypical Cortical Thickness and Subcortical Volumes in Cerebral Microbleed Patients: a Combined Freesurfer and Diffusion Tensor Imaging Study	Yan Tang
CBB1274	A Constrained Optimization Reconstruction Model for X-ray CT Metal Artifact Suppression	Ming Li
CBB1308	Changes in cerebral metabolism over different lengths of course in Parkinson disease ——A ^{18}F-FDG PET study in a Han Chinese cohort	Lanlan Pu
CBB1318	Lung Carcinoma Recognition by Blood Dielectric Spectroscopy	Xiaoyan Chen
CBB1327	A study on locating the sonic source of sinusoidal magneto-acoustic signals using a vector method	Shunqi Zhang
CBB1329	Effect of computed tomography dose on quantitative measurement and automated segmentation of airway tree	Yu Nan
CBB1387	Automatic brain MR image denoising based on texture feature-based artificial neural networks	Herng-Hua Chang
CBB1393	Fast iterative reconstruction for helical pinhole SPECT imaging	Po-Chia Huang
CBB1400	Noncontact measurement of heart rate using facial video illuminated under natural light and signal weighted analysis	Yonggang Yan
CBB1418	A joint ROI extraction filter for computer aided lung nodule detection	Zhenghao Shi
CBB1458	A review of Magnetic Resonance Imaging for neuropharmacology	Yudong Zhang
CBB1548	Classification of focal liver lesions on ultrasound images by extracting hybrid textural features and using an artificial neural network	Yoo Na Hwang
CBB1575	Classification of osteoporosis by extracting the microarchitectural properties of trabecular bone from DXA scans based on thresholding technique	Ga Young Kim
CBB1577	Speckle noise reduction in ultrasound images using a discrete wavelet transform-based image fusion technique	Ju Hwan Lee
CBB1578	Validation of the Mobile Emotiv Device Using a Neuroscan ERP System	Haixia Huang

CBB1589	Intraductal Growing Cholangiocarcinoma: MR Findings and Histopathological Correlation	Longlin Yin
CBB1599	A novel approach for arrhythmia diagnosis: Self-adaptive and distribution-free mode	Fenghuan Li
CBB1659	Study on the diagnostic system of scoliosis by using infrared camera	Jin-hyoung-Jeong
CBB1695	Study of Somesthesis according to Change in Pulse Diode Laser Parameters	Jae-Hoon Jun
CBB1712	Auditory Evoked Potentials in Patients with Major Depressive Disorder Measured by Emotiv System	Dongcui Wang
CBB1719	A fuzzy c-means clustering scheme incorporating non-local spatial constraint for brain MR image segmentation	Jianhua Song
CBB1756	An efficient sampling algorithm for uncertain abnormal data detection in biomedical image processing and disease prediction	Fei Liu
CBB1774	Automatic calculation and visualization of nuclear density in whole slide images of hepatic histological sections	Akito Nagase
CBB1780	Automatic Landmark Based Multi-modality Medical Image Registration Using Block Matching	Yuanjun Wang
CBB1816	Diffusion tensor imaging to determine the potential motor network connectivity between the involved and non-involved hemispheres in stroke	Min-Hee Lee
CBB1826	Removal of baseline wandering in ECG signal by improved detrending method	Kyeong-Seop Kim
CBB1833	FASART: an Iterative Reconstruction Algorithm with Inter-iteration Adaptive NAD Filter	Fa Zhang
CBB1842	New index structures for uncertain biomedical image analysis	Fei Liu
CBB1874	A study of stereo microscope measurements based on interpolated feature matching	Yigang Wang
CBB1908	AFW extraction based on MCA	Jianhao Du
CBB2051	Clinical Applications of Computed Tomography (CT) Perfusion Imaging in Gastric Cancer	Zong-qiong Sun
CBB2126	Three-dimensional (3D) image reconstruction in a truncated Archimedean-spiral scan geometry based on the compressed-sensing (CS) theory: simulation study	Hyosung Cho
CBB2130	An adaptive segmentation method of the overlapping liver cell image	Huiyan Jiang
CBB2167	Comparison of conventional ultrasound and contrast-enhanced ultrasound in breast invasive ductal carcinoma in different T stages	Zhiyuan Wang
CBB2184	A multi-classification method of liver pathology images based on sparse multi-scale LBP-LDP	Huiling Liu
CBB2229	Smartphone-based heart-rate measurement using facial imaging and a spatiotemporal alpha-trimmed mean filter	Jiann-Shu Lee

Paper ID	Paper Title	Author
CBB2250	Discrimination of Motor Imagery Tasks via Information Flow Pattern of Brain Connectivity	Shuang Liang
CBB2278	Development of reflection type laser scatterometer for bacterial colony analysis	Huisung Kim
CBB2287	Optical Flow Based Non-rigid Medical Image Registration Using a Novel Anisotropic Diffusion	Xiuzhi Li
CBB2304	Development of smartphone based fluorometer for a portable instrument	Iyll-Joon Doh
CBB2332	Fever of unknown origin (FUO) due to the Bentall-De Bono Procedure: Diagnostic importance of FDG PET/CT	Tunc Ones
CBB2333	18F-FDG PET/CT findings in a patient with Cowden's syndrome	Tanju Yusuf Erdil
CBB2382	Detecting Occurrence of Wheeze Using Biorthogonal Wavelet Filter Banks	Gwo-Ching Chang
CBB2412	Region-of-interest reconstruction from truncated data in CT imaging	Chia-Jui Hsieh
ICBE1169	Is the Gult expression related to FDG uptake in PET/CT of non-small cell lung cancer patients?	Woo Hee Choi
ICBE1404	Design of electrostatic focusing lens for an X-ray source with carbon nanotube cathode	Jianbao Gui
ICBE1659	The detection of long-range correlations of operation force and sEMG with multifractal detrended fluctuation analysis	Fan Li
ICBE2073	A novel movement monitoring system of KOA using the Android system	Yurong Li
ICBE2161	EEG feature selection method based on decision tree	Hui Ge
ICBE2312	Fully automatic scheme for measuring liver volume in 3D MR images	Hieu Trung Huynh
ICBE2324	Sparse coded image super-resolution using K-SVD trained dictionary based on regularized orthogonal matching pursuit	Sung Wook Baik
ICBE2347	Novel irregular mesh tagging algorithm for wound synthesis on a 3D face	Seongah Chin
ICBE2400	Analog front-end measuring biopotential signal with effective offset rejection loop	Haryong Song
ICBE2457	A new approach to compensate the geometric distortion in the synthetic aperture ultrasonic imaging system	Xiaonian He

Poster Session_3 Biomaterial

Paper ID	Paper Title	Author
CBB1478	Study on the changes of hepatic function and T-lymphocyte subsets in combination Laparoscope with Choledochoscope for Aged holelithiasis	Xin-feng Li

Paper ID	Paper Title	Author
CBB1623	A novel self-assembled nano micelle as a highly efficient artificial peroxidase based on hexadecyl trimethyl ammonium bromide and cytochrome c	Jun Hong
CBB1679	Superparamagnetic calcium ferrite nanoparticles synthesized using a simple sol-gel method for targeted drug delivery	Jumril Yunas
CBB1701	Magnetically Guided Capsule Endoscope Integrating Active Triggerring Biopsy Device	Viet Ha Le
CBB1711	Synthesis and characterization of water-soluble CdTe quantum dots	Hao Yang
CBB1801	Nanofiber containing carbon nanotubes enhanced PC12 cell proliferation and neuritogenesis by electrical stimulation	Wen-Ta Su
CBB1918	Enhanced Germicidal Effects of UV-LED Irradiation on Electrospun Polyurethane-ZnO Nanofibrous Mats	Jun Hee Kim
CBB1932	"Smart" ferrite nanoparticles for biomedical applications	C. Dendrinou-Samara
CBB2105	A directed self-assembly quasi spider silk protein expressed in Pichia pastoris and its mechanical properties	Bin Liu
CBB2299	Synergistic effect of PEGylated resveratrol on delivery of anticancer drug	Wenlong Wang
CBB2385	Application of Nucleic Acid Aptamers in Forensic Drug Analysis	Natalia Pawlowska
ICBE2361	Design for minimizing fracture risk of all-ceramic cantilever dental bridge	Wei Li
ICBE2629	Biocompatibility and characterization of polylactic acid/styrene-ethylene-butylene-styrene composites	Chi-Hui Tsou

Poster Session_4 Biomechanical Engineering

Paper ID	Paper Title	Author
CBB1170	Detecting differences in volume pulse wave parameters among fingers and toes in four different postures	Tingting Yan
CBB1417	Optimization of configuration of attachment in tooth translation with transparent tooth correction by appropriate moment-to-force ratios: Biomechanical analysis	Yongqing Cai
CBB1461	Numerical analysis of the urine flow in a stented ureter with no peristalsis	Hyoung-Ho Kim
CBB1515	Research on musculoskeletal model of elbow joint for evaluating the feasibility of FES	Shengxin Wang
CBB1517	Influential factors for pressure pulse waveform in healthy young adults	Chi Zhang
CBB1523	A robo-pigeon based on an innovative multi-mode telestimulation system	Junqing Yang
CBB1557	Numerical study of the effect of blood vessel on the microwave ablation shape	Xiaohui Nie

CBB1779	Numerical simulation of RF catheter ablation for the treatment of arterial aneurysm	Qun Nan
CBB1827	Development of an integrated digital hand grip dynamometer and norm of hand grip strength	Ho Chang
CBB1995	Wall stress and deformation analysis in a numerical model of pulse wave propagation	Fan He
CBB2078	Experiments and kinematics analysis of a hand rehabilitation exoskeleton with circuitous joints	Fuhai Zhang
CBB2115	Forward and Inverse Dynamic Study during Pedaling: Comparison between the Young and the Elderly	Gyerae Tack
CBB2120	Discovery of Bone Marrow Stem Cell Mobilizers with Kidney Damage Protection Activity	Chung-Yu Huang
CBB2226	Study on loss mechanism of SMA tracheal stent subjected to cough excitation	Xinmiao Li
CBB2412	Region-of-interest reconstruction from truncated data in CT imaging	Chia-Jui Hsieh
ICBE1536	Changes of Pelvis control with subacute stroke: a comparison of body-weight-support treadmill training coupled Virtual Reality system, over-ground training	Lifang Li
ICBE2219	Evaluation of joint moment patterns of a wearable walking assistant robot: Experimental and simulation analyses	Ju Hwan Lee
ICBE2398	Effects of custom-made insoles on idiopathic pes cavus foot during walking	Jung-Kyu Choi
ICBE2399	Influence of pelvic asymmetry and idiopathic scoliosis in adolescents on postural balance during sitting	Ji-Yong Jung

NOTE: If you want to make a poster presentation but your paper ID is not included in the list, please contact the organizing committee to arrange it.

Part V Oral Session

Oral Presentation

Devices Provided by the Conference Organizer:

● Laptops (with MS-Office & Adobe Reader)

● Projectors & Screen

● Laser Sticks

Materials Provided by the Oral Presenters:

● PowerPoint(Note: Please show your paper ID as CBB****/ICBE**** in the last page)

Duration of each Presentation (Tentatively):

- Regular Oral Session: 10 Minutes of Presentation, 3-5 Minutes of Q&A

Awarding for the Oral Presentation

- We will hold a voting for the Oral Presentation, participants will get a vote to elect the best 1-3 oral presentations in each session. Top elected presenters will each be awarded with a free ticket to the next conference ICBEB2016.

Time:

- Aug. 20, 08:00-12:00, 14:00-17:30

Location:

- 3rd floor, Royal Hall Ⅱ, 4th Hugo Hall

Oral Session_1 Biomedical Engineering

Session chair: Alexander Spector

Time: 08:00-12:00   Location: 4th floor, Hugo Hall

Time	Paper ID	Paper Title	Author
08:00-08:15	CBB1164	Temporal integration reflected by frequency following response in auditory brainstem	Qin Xu
08:15-08:30	CBB1459	A new method to accurately assess post-laser-surgery refractive changes with the intrinsic corneal power changes	Yongji Liu
08:30-08:45	CBB1536	A Method to Optimize the Socket Design of a Lower Extremity Prosthesis	Kivilcim Ersoy
08:45-09:00	CBB1617	Mental workload prediction based on attentional resource allocation and information processing	Xiao Xu
09:00-09:15	CBB1622	A Method of Extracting Disease-Related microRNAs Through the Propagation Algorithm Using the Environmental Factor Based Global miRNA Network	Jihwan Ha
09:15-09:30	CBB1755	Effect of Mechanical Cues on Adipose-Derived Stem Cell Myogenesis: Insight from a Kinetic Model	Alexander Spector
09:30-09:45	CBB1852	A portable wireless power transmission system for video capsule endoscopes	Gang Liu
09:45-10:00	CBB2026	Study of amyloid-β peptide functional brain networks in AD, MCI and HC	Huoqiang Duan
10:00-10:15	CBB2029	A Computational Model of Platelet Flow in a Carotid Artery Bifurcation	Guojie Li
10:30-10:45	CBB2118	The Temperature Field Simulation and Phantom Validation of a Two-armed Spiral Antenna for Microwave	Lingze Zhang
10:45-11:00	CBB2158	Design and Compatibility Evaluation of MRI-Guided Needle Insertion System	Peng Zhang

Time	Paper ID	Paper Title	Author
11:00-11:15	CBB2305	Analysis of Protein Complex Associated to Actin Homolog MreB in Helicobacter pylori	Xianwu Guo
11:15-11:30	CBB2373	Antipyretic mechanism of cinnamaldehyde involved in regulation of TRPV1 channel in DRG neurons	Feng Sui
11:30-11:45	ICBE2169	Investigating the modulation of brain activity associated with handgrip force and fatigue	Liu Cao
11:45-12:00	ICBE2204	Studying Frequency Processing of the Brain to Enhance Long-term Memory, Develop a Human Brain Protocol	Wernher Friedrich

Oral Session_2 Biomedical Imaging & Signal Processing (1)

Session chair: Lung Kwang Pan

Time: 08:00-12:00   Location: 3rd floor, Royal Hall Ⅱ

Time	Paper ID	Paper Title	Author
08:00-08:15	CBB1066	Binary particle swarm optimization for frequency band selection in motor imagery based brain-computer interfaces	Qingguo Wei
08:15-08:30	CBB1079	EEG-based research on brain functional networks in cognition	Li Zhang
08:30-08:45	CBB1171	An analysis of pulse wave signals during Visual Display Terminal operations	Yang Lu
08:45-09:00	CBB1292	Automatic detection of regions of interest in breast ultrasound images based on local phase information	Xin Wang
09:00-09:15	CBB1325	Scattered radiation doses absorbed by technicians at different distances from X-ray exposure: Experiments on prosthesis	Hsien-Wen Chiang
09:15-09:30	CBB1369	Automatical segmentation of adrenal tumor in CT images based on sparse representation	Hanchao Chai
09:30-09:45	CBB1401	Optimization of the imaging quality of 64-slice CT acquisition protocol using Taguchi analysis: A phantom study	Lung Kwang Pan
09:45-10:00	CBB1456	Pathological brain detection based on wavelet entropy and Hu moment invariants	Yudong Zhang
10:00-10:15	CBB1467	In vivo evaluating skin doses for lung cancer patients undergoing Volumetric Modulated Arc Therapy treatment	Chien Yi Chen
10:30-10:45	CBB1468	Quantitative evaluation of contrast-induced-nephropathy in vascular post-angiography patients: Feasibility study of a semi-empirical model	Lung Fa Pan
10:45-11:00	CBB1507	Ultrasound Imaging and Pulsed Wave Doppler Stimulus Fetal Reflex Action Test	Samreen Amir

Time	Paper ID	Paper Title	Author
11:00-11:15	CBB1531	Detection of Perlger-Huet anomaly based on augmented Fast Marching Method and Speeded Up Robust Features	Shaobao Yang
11:15-11:30	CBB1533	Assessment of the Effectiveness of DWI-ASPECTS in Predicting the Functional Outcomes of Cerebral Infarction Patients after Thrombolysis	Liang Jiang
11:30-11:45	CBB1576	A CT reconstruction approach from sparse projection with adaptive-weighted diagonal total-variation in biomedical application	Luzhen Deng
11:45-12:00	CBB2256	Assessment of Cardiac Time Intervals by Wavelet Transform of the Impedance Cardiogram	Rodion Stepanov

Oral Session_3 Biomaterial

Session chair: Hong Qiu

Time: 08:00-12:00   Location: 4th floor, Zola Hall

Time	Paper ID	Paper Title	Author
08:00-08:15	CBB1123	Antibacterial, anti-inflammatory, and antioxidant effects of Yinzhihuang injection	Hong Qiu
08:15-08:30	CBB1546	Color difference threshold determination for acrylic denture base resins	Jiabao Ren
08:30-08:45	CBB1560	Analysis of nervous fiber, muscle, and blood vessels using their ulraviolet near infrared reflectance characteristics	Kadir Tufan
08:45-09:00	CBB1939	Evaluation of the micro-shear bond strength of four adhesive systems to dentin with and without adhesive area limitation	Yuan Chai
09:00-09:15	CBB1947	A comparison study on the flexural strength and compressive strength of four resin-modified luting glass ionomer cements	Yuan Li
09:15-09:30	CBB2062	Strength degradation and lifetime prediction of dental zirconia ceramics under cyclic normal loading	Wanzhong Li
09:30-09:45	CBB2077	Increased sensitivity of 3D-Well enzyme-linked immunosorbent assay (ELISA) for infectious disease detection using 3D-printing fabrication technology	Harpal Singh
09:45-10:00	CBB2368	Hepatoprotective effect of Cinnamon on cholesterol induced Fatty changes in albino rats	Zahid Iqbal
10:00-10:15	CBB2415	Biopolymer-graphene nanocomposite microneedles for transdermal	Biqiong Chen
10:30-10:45	CBB2423	Biodegradable nanoporous microspheres for controlled drug delivery system	Ildoo Chung

Oral Session_4 Biomechanical Engineering

Session chair: Bin Chen

Time: 14:00-17:30   Location: 4th floor, Hugo Hall

Time	Paper ID	Paper Title	Author
14:00-14:30	CBB1942	Computational hemodynamics of the portal vein hypertension in hepatic cirrhosis patients	Bin Chen
14:30-14:45	CBB1144	Research of gestational diabetes mellitus risk evaluation method	Zhenyu Chi
14:45-15:00	CBB1258	Improved walking ability with wearable robot-assisted training in patients suffering chronic stroke	Lifang Li
15:00-15:15	CBB1302	Application of uniform design to improve dental implant system	Yung-Chang Cheng
15:15-15:30	CBB1462	Numerical analysis of the effect of side holes of a double J stent on flow rate and pattern	Young Ho Choi
15:45-16:00	CBB1565	Design of a biped robot actuated by pneumatic artificial muscles	Yixiang Liu
16:00-16:15	CBB1604	Hemodynamics investigation for a giant aneurysm treated by a flow diverter	Shengzhang Wang
16:15-16:30	CBB1728	4D Model of Hemodynamics in the Abdominal Aorta	Ireneusz Zbicinski
16:30-16:45	CBB1956	Experimental analysis of robot-assisted needle insertion into porcine liver	Wendong Wang
16:45-17:00	ICBE1468	Research on seamless development of surgical instruments based on biological mechanisms using CAD and 3D printer	Ikuo Yamamoto
17:00-17:15	ICBE2320	Design improvement and dynamic finite element analysis of novel ITI dental implant under dynamic chewing loads	Yung-Chang Cheng

Oral Session_5 Biomedical Imaging & Signal Processing (2)

Session chair: Chunliang Wang

Time: 14:00-17:30   Location: 3rd floor, Royal Hall Ⅱ

Time	Paper ID	Paper Title	Author
14:00-14:15	CBB1672	The application of EMD in activity recognition based on a single triaxial accelerometer	Mengjia Liao
14:15-14:30	CBB1715	Automatic localization of macula fovea based on wavelet transformation and gray contours	Xinpeng Zhang
14:30-14:45	CBB1730	Computer-aided detection of lung nodules using outer surface features	Önder Demir
14:45-15:00	CBB1741	An Integrated Approach Utilising Imaging and Computer Aided Design of MR images for Customized Medical Knee Implants Production	Ahmad Majdi Abdul Rani
15:00-15:15	CBB1744	EEG functional network properties related to visually induced unrecognized spatial disorientation	Yuanyuan Chen

15:15-15:30	CBB1805	Simultaneous measurement of multiple scattering coefficient and scattering anisotropy factor in dental demineralization	Meng-Chun Kao
15:45-16:00	CBB1898	Enhance contrast in PCA based beamformers using smoothing kernel	Saeid Aliabadi
16:00-16:15	CBB1924	Preliminary Research on Abnormal Brain Detection by Wavelet-Energy and Quantum-Behaved PSO	Shuihua Wang
16:15-16:30	CBB1967	Electroencephalogram assessment of mental fatigue in visual search	Xiaoli Fan
16:30-16:45	CBB2025	A novel Aβ segmentation algorithm based on 3D Lattice Boltzman Method	Xinghui Shu
16:45-17:00	CBB2234	A Modified Fuzzy C-Means Method for Segmenting MR Images Using Non-local Information	Yuan Feng
17:00-17:15	CBB2297	Real-time Interactive 3D Tumor Segmentation Using a Fast Level-set Algorithm	Chunliang Wang
17:15-17:30	CBB2432	Electroencephalography (EEG) for Detecting Acute Ischemic Stroke	Sastra Kusuma WIjaya
17:30-17:45	CBB2131	Analysis of the effect of the secondary Procedure in Magneto-Acoustic Tomography and Magneto-Acousto-Electrical Tomography	Zhishen Sun

NOTE: If you want to make an oral presentation but your paper ID is not included in the list, please contact the organizing committee or the session chair to arrange it.

Part VI Hotel Information

1. Hotel Information

The Shanghai Royalton Hotel is located on the western side of Shanghai, near the International Gymnastics Center. It is a part of the Hongqiao Development Area. The Royalton Hotel Shanghai is within 5 minutes' walk of the nearest metro station. Lines 2, 3, and 4 provide service into the city.
Address: 789 Wu Yi Road, Shanghai, China
Tel.: 86-21-52068000
Website: www.royalton.com.cn

2. How to get to the hotel

1) From Shanghai Pudong International Airport (about 55 kilometres from the Hotel)

a) Take subway line 2 east extension (GUANGLANLU Direction) from Pudong International Airport Stop (浦东国际机场站) to the stop-GUANLAN ROAD (广兰路站), and then change for subway line 2(XUJINGDONG Direction) to the stop-ZHONGSHAN PARK (中山公园站) and get out from Exit 2. It is about 1.1 kilomemres from the Hotel.

b) Take the Magnetism Aerosol Train from Pudong International Airport Stop(浦东国际机场站) to the stop-LONGYANGLU (龙阳路站), and then change for subway line 2(XUJINGDONG Direction) to the stop-ZHONGSHAN PARK (中山公园站) and get out from Exit 2.

2) From Shanghai Hongqiao International Airport (about 9 kilometres from the Hotel)

a) Take the subway line 10（XINJIANGWANCHENG Direction）from stop-Hongqiao Airport Terminal (虹桥 1 号航站楼站) to the stop HONGQIAO ROAD (虹桥路站), and change for the subway line 4(YISHAN ROAD direction) to the stop- ZHONGSHAN PARK (中山公园站) and get out from Exit.

b) Take bus 941 from the stop-YOULELUYINGBINYILU（友乐路迎宾一路站）to the stop ZHONGSHANXILUTIANSHANLU (中山西路天山路).

3) From Shanghai Railway Station (about 9 kilometres from the Hotel)

Take the subway line 4 or line 3 (JIANGYANGBEILU Direction) to the stop- ZHONGSHAN PARK (中山公园站) and get out from Exit 2.

4) From Shanghai South Railway Station (about 8 kilometres from the Hotel)

Take the subway line 3 (JIANGYANGBEILU Direction) to the stop- ZHONGSHAN PARK (中山公园站) and get out from Exit 2.

5) From Shanghai West Railway Station (about 6.5 kilometres from the Hotel)

Take a taxi (fee: about 25RMB).

For non-Chinese attendees, please show the following information to the driver if you are taking a taxi: 请送我到：上海市长宁区武夷路 789 号上海虹桥美仑美居酒店（上海美仑大酒店）

3. Map of the hotel

local merchants built a new City God's Temple in the Foreign Concession (between Lianyun Road and West Jinling Road). That area is now a high-rise residence building. The "former" temple is known as the Old City God's Temple. The Old City God's Temple and the enclose Yuyuan are not only famous tourist sites but also popular shopping attractions. There are boutiques, shops selling local specialties, as well as large jewelry stores, department stores and fabulous local snack restaurants to be found here.

Part VIII Introduction of IOS Library Information

During ICBEB 2015, IOS presents its professional academic books and journals which you can get with special discount. For more information about our product, please subscribe to our Wechat public account "ECPPC 中欧出版社促进中心"

本届生物医学工程与生物技术国际学术会议期间，IOS 出版社将携其优秀图书和期刊参会。优秀学术图书将以优惠价格回馈广大科研工作者。欲了解更多相关图书资讯请订阅"ECPPC 中欧出版社促进中心"官方微信平台。
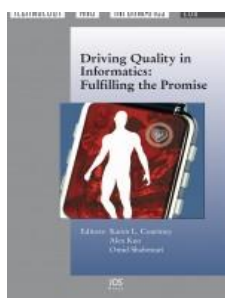
Title: Driving Quality in Informatics: Fulfilling the Promise
《信息学中的关键品质：兑现诺言》
Editor: Courtney, K.L.; Kuo, A.; Shabestari, O.
2015 Feb.; hardcopy; 392 pages;
Price: 145 Euro
ISBN: 978-1-61499-487-9
Web: www.iospress.nl/book/driving-quality-in-informatics-fulfilling-the-promise

Title: Innovation in Medicine and Healthcare 2014
《2014 年医药保健创新》
Editor: Graña, M.; Toro, C.; Howlett, R.J.; Jain, L.C.
2014 December; hardcopy; 428 pages;
Price: 145 Euro
ISBN: 978-1-61499-473-2
Web: www.iospress.nl/book/innovation-in-medicine-and-healthcare-2014/
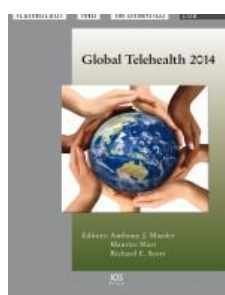
Title: Global Telehealth 2014
《2014 年全球远程医疗》
Editor: Maeder, A.J.; Mars, M.; Scott, R.E.
2014 November; hardcopy; 116 pages;
Price: 100 Euro
ISBN: 978-1-61499-455-8
Web: www.iospress.nl/book/global-telehealth-2014

Title: Investing in E-Health: People, Knowledge and Technology for a Healthy Future

《投资电子健康：人、知识和技术打造健康未来》
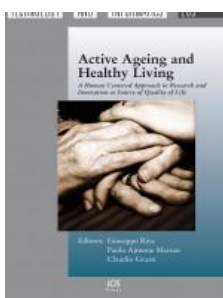
第 22 届澳大利亚国家卫生信息大会（2014 年 HIC）入选论文

Editor: Grain, H.; Martin-Sanchez, F.; Schaper, L.K.

2014 August; hardcopy; 200 pages;

Price: 105Euro

ISBN: 978-1-61499-426-8

Web: www.iospress.nl/book/investing-in-e-health-people-knowledge-and-technology-for-a-healthy-future/

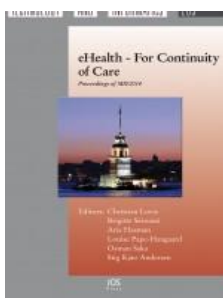**Title**: Active Ageing and Healthy Living

《积极的老龄化和健康生活》

研究和创新中的以人为中心的方法作为生活质量的资源

Editor: Riva, G.; Ajmone Marsan, P.; Grassi, C.

2014 August; hardcopy; 220 pages;

Price: 105Euro

ISBN: 978-1-61499-424-4

Web: http://www.iospress.nl/book/active-ageing-and-healthy-living/

Title: eHealth - For Continuity of Care

Editor: Lovis, C.; Séroussi, B.; Hasman, A.; Pape-Haugaard, L.; Saka, O.; Andersen, S.K.

2014 August; hardcopy; 1328 pages;

Price: 235Euro

ISBN: 978-1-61499-431-2

Web: www.iospress.nl/book/ehealth-for-continuity-of-care/
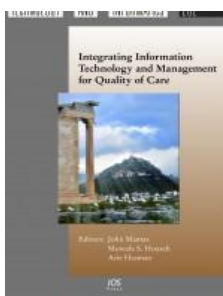
Title: Integrating Information Technology and Management for Quality of Care

Editor: Mantas, J.; Househ, M.S.; Hasman, A.

2014 July; hardcopy; 344pages;

Price: 120Euro

ISBN: 978-1-61499-422-0

Web: www.iospress.nl/book/integrating-information-technology-and-management-for-quality-of-care/
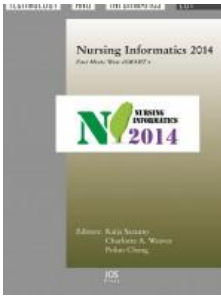
Title: pHealth 2014

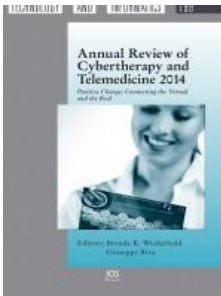**Editor**: Blobel, B.; Sauermann, S.; Mense, A.

2014 June; hardcopy; 200pages;

Price: 105Euro

ISBN: 978-1-61499-392-6

**Web**: http://www.iospress.nl/book/phealth-2014/

Title: Nursing Informatics 2014
Editor: Saranto, K.; Weaver, C.A.; Chang, P.
2014 June; hardcopy; 504pages;
Price: 145Euro
ISBN: 978-1-61499-414-5
**Web**: http://www.iospress.nl/book/nursing-informatics-2014/

Title: Annual Review of Cybertherapy and Telemedicine 2014
Editor: Wiederhold, B.K.; Riva, G.
2014 May; hardcopy; 192pages;
Price: 105Euro
ISBN: 978-1-61499-400-8
Web: www.iospress.nl/book/annual-review-of-cybertherapy-and-telemedicine-2014

Title: eHealth2014 – Health Informatics Meets eHealth
Editor: Hörbst, A.; Hayn, D.; Schreier, G.; Ammenwerth, E.
2014 May; hardcopy; 272pages;
Price: 120Euro
ISBN: 978-1-61499-396-4
Web: www.iospress.nl/book/ehealth2014-health-informatics-meets-ehealth/
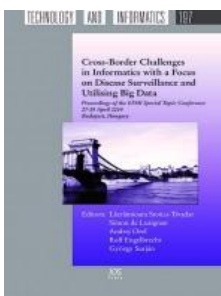
Title: Cross-Border Challenges in Informatics with a Focus on Disease Surveillance and Utilising Big Data
Editor: Stoicu-Tivadar, L.; De Lusignan, S.; Orel, A.; Engelbrecht, R.; Surján, G.
2014 April; softcover; 148pages;
Price: 100Euro
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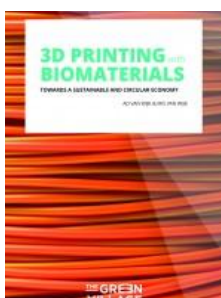
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