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International Union for Physical and Engineering Sciences in Medicine (IUPESM)



International Federation for Medical and Biological Engineering (IFMBE)



International Organization for Medical Physics (IOMP)



Chinese Society of Biomedical Engineering (CSBME)

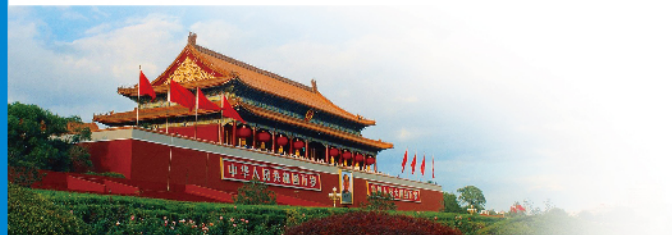


Chinese Society of Medical Physics (CSMP)

Supported by

Asia-Oceania Federation of Organizations for Medical Physics (AFOMP)

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About Beijing

Beijing is an elegant and graceful city, bustling with life and rich in tradition. With a population of 14m the Chinese capital offers the visitor some of the world's best-known and most breathtaking historical sites, such as The Forbidden City and The Great Wall of China, but at the same time, caters to international tastes in dining, entertainment and shopping. The thriving city of Beijing is truly a study in contrasts. With its wide avenues and spacious parks, Beijing can appear vast and grandiose; but take a stroll around a marketplace or down one of the city's back streets, the narrow alleyways known as "hutong", and a world of ancient customs, sights and smells is revealed - stalls of mysterious herbal remedies and aromatic teas, woks sizzling with exotic food, and warm people who will welcome you into their lives. A modern metropolis that is steeped in history, it's not hard to discover why this imperial city is one of the world's most fascinating destinations.

The Temple of Heaven is one of Beijing's most popular attractions. The Ming Emperor, Yongle built it as the location for imperial sacrifices performed on the winter and summer solstices. The grounds of the temple were designed in strict accordance with numerology and fengshui. In fact, the four gates mark the four points on a compass.



Local Attractions



The Great Wall

The Great Wall of China, one of the greatest wonders of the world, was listed as a World Heritage by UNESCO in 1987. Just like a gigantic dragon, the Great Wall winds up and down across deserts, grasslands, mountains and plateaus, stretching approximately 8,851.8 kilometers (5,500 miles) from east to west of China. With a history of more than 2000 years, some of the sections are now in ruins or have disappeared. However, it is still one of the most appealing attractions all around the world owing to its architectural grandeur and historical significance.



Hutong

People say that the real culture of Beijing is "the culture of hutong" and "the culture of courtyard". Hutong is a typical lane or small street in Beijing that originated during the Yuan Dynasty (1271-1368). "Hutong" is a Mongolian word, meaning "water well". During that time, water well is the settlement around which people lived.



Temple of Heaven

The Temple of Heaven is a worthwhile visiting place in Beijing. It is much bigger than the Forbidden City and smaller than the Summer Palace. The Temple was built in 1420 A.D. during the Ming Dynasty to offer sacrifice to Heaven. As Chinese emperors called themselves 'The Son of Heaven', they dared not to build their own dwelling, 'Forbidden City' bigger than a dwelling for Heaven.



Beijing Opera

Beijing Opera is the quintessence of China. The largest Chinese opera form, it is extolled as 'Oriental Opera'. Having a history of 160 years, it has created many 'firsts' in Chinese dramas: the abundance of repertoires, the number of artists, opera troupes and spectators.



Roast Duck

According to a Chinese saying, no visit to Beijing is complete if you miss seeing the Great Wall or dining on Roast Duck. As a famous and delicious food with very long history, Beijing Roast Duck is an excellent choice if you want to understand more about Chinese cuisine, culture and customs.

Welcome Message

Dear colleagues,

It is our great honor to invite you for a Journey of the World Congress on Medical Physics and Biomedical Engineering in Beijing, China from May 26 to 31, 2012.

Promoting Human Health is an everlasting and dynamic topic that is driven by the change of disease spectrum, economic and social development and personalized health management. The progress on medical physics and biomedical engineering provided a powerful backup to realization of personalized medicine and translational medicine based on trans-disciplinary and inter-disciplinary collaboration as well as information sharing. The triennial World Congress may function as a platform for these activities.

During the World Congress 2012, the participants will share the latest information on global health challenges, advanced technologies and innovative applications. It will be a window to show participants the up-to-date picture of research, education development and industrial contribution in the field of medical physics and biomedical engineering. Beijing has hundreds year history as the capital of China and is the key city with academic and economic functions. She is also a hub of international and domestic traffic communication. we are sure that you may have a wonderful experience of visiting this city during the Congress.

We look forward to meeting you in Beijing, 2012.



Depai Liu, Ph.D.
Congress Chair



Yubo Fan
Congress Co-Chair



Yimin Hu
Congress Co-Chair

Important Dates

Deadline for Final Paper Submission – November 11, 2011

Deadline for Early Registration – March 15, 2012

Deadline for Hotel Booking – April 30, 2012

General Information

Congress Theme

Promoting Health through Technology

Venue

Beijing International Convention Center
No.8 Beisihuan Zhonglu, Chaoyang District, Beijing
Tel: +86-10-84985588
www.bcg hotel.com

Date

May 26-31, 2012 (Saturday -Thursday)

Website

www.wc2012.org

Language

The official language for the Congress is English. All papers shall be prepared in English.

Secretariat

CICCST

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Committees

Congress Organizing Committee (COC)

Chair: Depai LIU

Co-Chair: Yubo FAN Yimin HU

Scientific Committee

Chair: Mengsun YU

Co-chairs: Shangkai GAO Shanglian BAO
Bin HE Harald PAGANETTI

Program Committee

Chair: Lisa XU

Co-chair: Jianrong DAI

Publication Committee

Chair: Mian LONG

Co-Chair: Bill HENDEE

Education and Training Committee

Chair: Xiaowu DENG

Co-chair: Maria do Carmo LOPES

Professional Standards Committee

Chair: Yaoxiong HUANG

Co-Chair: Raymond WU

Finance Committee

Chair: Yubo FAN

Co-Chair: Slavik TABAKOV
Shankhar KRISHNAN

Exhibition Committee

Chair: Yimin HU

Co-Chair: Ishmael E. PARSAI

IUPESM Congress Coordinating Committee

Chair: Barry ALLEN (IUPESM President)

Co-Chair: Herbert VOIGT (IFMBE President)
Fridtjof NÜSSLIN (IOMP President)

Themes & Topics

- Theme 01 Radiation Oncology
- Theme 02 Diagnostic Imaging
- Theme 03 Dosimetry and Radiation Protection
- Theme 04 Biological Effects of Radiation
- Theme 05 New Technologies in Cancer Research and Cancer Treatment
- Theme 06 Biomaterials and Artificial Organs
- Theme 07 Biomechanics
- Theme 08 Regenerative Medicine and Tissue Engineering
- Theme 09 Biosignal Processing
- Theme 10 Cellular and Molecular Bioengineering & Biomedical Physics
- Theme 11 Surgery, Computer Aided Surgery, Minimal Invasive Interventions, Endoscopy and Image Guided Therapy, Modeling and Simulation
- Theme 12 Information and Communication in Medicine, Telemedicine and e-Health, Health Informatics
- Theme 13 Biosensor, Bionanotechnology and BioMEMS
- Theme 14 Biomedical Engineering in Audiology, Ophthalmology, Emergency & Dental Medicine
- Theme 15 Rehabilitation Medicine, Sports Medicine, Rehabilitation Engineering and Prosthetics
- Theme 16 Neuroengineering, Neural Systems
- Theme 17 Medical Devices and Appliance
- Theme 18 Professional and Educational Topics
- Theme 19 Clinical Engineering
- Theme 20 Special Topics & Workshops