

3rd Announcement

11th International
Congress of the IUPESM

MEDICAL PHYSICS AND BIOMEDICAL ENGINEERING

WORLD CONGRESS 2009

For the benefit
of the Patient.



September 7–12
Munich/Germany



IFMBE



DGMP



VDE | DGBMT
Deutsche Gesellschaft für Biomedizinische Technik im VDE

Have you already decided on Munich for September 2009?



Wolfgang Schlegel



Olaf Dössel

Our third announcement is a gentle reminder of our invitation to attend the World Congress on Medical Physics and Biomedical Engineering – the triennial scientific meeting of the IUPESM – being held in Munich, Germany, on September 7-12, 2009.

Our teams are working hard to ensure the success of this outstanding scientific and medical meeting, and we would like to briefly present a basic outline and general idea of the congress. As you know, medical technologies have invaded almost all routines of applied medicine over the past two decades, and have had a major impact on the accuracy and efficacy of diagnostic and therapeutic tools.

This has created substantial benefits for patients with respect to prognosis, survival and quality of life in severe diseases and at the same time has presented new challenges to health professionals, scientists and developers of high-end medical devices. The outstanding and growing importance of technology in medicine and healthcare demands that all players involved in the process – from research and development to applications – have a deep understanding of the key issues at the interface of technology and medicine.

The focus in medicine today must be on ensuring performance reliability, providing technological “best-fit” solutions and, in particular, achieving the highest quality in performance and results. As technology plays an ever greater role in medicine, it is becoming a key element in the overall quality of medicine and a major contributor toward providing optimized healthcare.

An intensive exchange of know-how among scientists, researchers, developers and healthcare providers must be fostered and maintained as a major driving force for future innovations in medical technologies and medicine. The World Congress 2009 is dedicated to bringing together top-level people from these different areas in a single forum. It’s an opportunity you shouldn’t miss!

We look forward to seeing you in September 2009!

A handwritten signature in black ink that reads "W. Schlegel".

Wolfgang Schlegel
Congress President

A handwritten signature in black ink that reads "Olaf Dössel".

Olaf Dössel
Congress President

General information

Congress organizer

VDE CONFERENCE SERVICES
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www.vde.com

Congress venue

The WC2009 takes place in the International Congress Center Munich (ICM)

Congress language

All sessions will be held in English. There will be no simultaneous translation.

Destination Munich

Munich, often called „the city with a heart“ has something to offer to everyone, from culture, high-tech and parks to nightlife, architecture, beer gardens or the nearby mountains and lakes.

Accommodations

A wide variety of hotel rooms in various categories has been reserved by our exhibition & sponsorship organizer.

Companion tours

As a complement to the scientific program of the congress, there will be interesting opportunities for exploring the famous and exciting city and the nearby Alps.

Currency

The official currency in Germany is the euro (EUR). Standard credit cards are accepted. The exchange rate is approx. 1 EUR = 1,60 USD (July 2008)

Time zone

GMT (UTC) +01:00

Transportation

The Munich Airport is the second largest international airport in Germany. It is located 28km northeast of the city center. The Main Train Station is approx. 2km from the central square of the city. Detailed information on transportation possibilities will be provided in the final program and on the Congress Website www.wc2009.org.

Visa/Letter of confirmation

Nationals from some countries may require a visa to enter Germany. If documentation or a letter of confirmation is required, please contact the congress organizer.



It's all about networking



The World Congress on Medical Physics and Biomedical Engineering 2009 aims at providing an optimal exchange among those responsible for research, development and applications in medical technologies. We want to explore...

- how key technologies will drive future innovations in medicine,
- what their impact on diagnostics, therapies and results will be,
- where and how improving existing technologies might open new options for medical applications,
- and which medical fields should be the focus of future innovations and improvements in medical technologies.

Networking drives innovation

In addition to technology and innovation issues, the congress will present practical applications of medical devices as well as findings of scientific and medical research. This will provide first-hand information and excellent networking opportunities for all participants from the scientific, technical and medical communities.

Exhibition & sponsorship

As the world's leading scientific congress on medical technologies and their applications, the WC2009 also provides outstanding opportunities for industrial partners and non-profit institutions to present their products, technologies and innovations to more than 4,000 experts and decision-makers in medical physics, biomedical engineering and applied medicine.

Congress Website

For more information on registration, the scientific program, paper submission and various opportunities for exhibition & sponsorship, please visit the Congress Website: www.wc2009.org

Structure of the congress

To maximize synergies and the integration of themes for research, development and applications, the congress will have a unique structure that represents the two dimensions of technology and medicine.

13 congress themes on technology and innovation will be featured along with five medical topics representing some of the major future challenges for health professionals. Leading international scientists and medical experts will chair the themes.

Each theme will be divided into several tracks that will address specific aspects of medicine and technology. Overall, the congress will present more than 100 tracks offering excellent and numerous opportunities for exchange.

	1st day	2nd day	3rd day	4th day	5th day
	08.09.2009	09.09.2009	10.09.2009	11.09.2009	12.09.2009
	Oncology	Radiology & Nuclear medicine	Surgery & Intervention	Neurology, Neurosurgery, Rehabilitation	Cardiology, Cardiovascular diseases
1. Radiation Oncology					
2. Diagnostic Imaging					
3. Radiation Protection and Dosimetry, Biological Effects of Radiation					
4. Image Processing, Biosignal Processing, Modelling and Simulation, Biomechanics					
5. Information and Communication in Medicine, Telemedicine and e-Health					
6. Surgery, Minimal Invasive Interventions, Endoscopy and Image Guided Therapy					
7. Diagnostic and Therapeutic Instrumentation, Clinical Engineering					
8. Micro- and Nanosystems in Medicine, Active Implants, Biosensors					
9. Neuroengineering, Neural Systems, Rehabilitation and Prosthetics					
10. Biomaterials, Cellular and Tissue Engineering, Artificial Organs					
11. Biomedical Engineering for Audiology, Ophthalmology, Emergency & Dental Medicine					
12. General Subjects					
13. Special Topics and Workshops					

Important Dates

July	31	2008	Re-launch of Congress Website
Oct	01	2008	1st call for participation "WC2009 Innovation Award"
Oct	01	2008	Online registration opens
Dec	01	2008	Launch of Online Paper Submission System
Feb	22	2009	Paper submission due (min 2, max 4 pages)
Mar	01	2009	2nd call for participation "WC2009 Innovation Award"
Apr	03	2009	Paper acceptance notification
May	01	2009	Speakers registration due
May	01	2009	Early registration due
May	01	2009	Registration payment for authors due
May	15	2009	Short program available
Jun	15	2009	Final program available
Jul	15	2009	Deadline update paper for the proceedings
Sep	07	2009	Opening World Congress

Congresses incorporated in the WC2009

17th International Conference on Medical Physics of IOMP
(International Organization for Medical Physics)

22nd International Congress on Biological and
Medical Engineering of IFMBE
(International Federation for Medical and Biological Engineering)

3rd European Conference on Medical Physics
European Federation of Organizations in Medical Physics (EFOMP)

40th Annual Meeting of the German Society for
Medical Physics (DGMP)

43rd Annual Conference of the German Society for
Biomedical Engineering (DGBMT)

Highlights you shouldn't miss

In addition to the challenging scientific sessions, we are also offering an appealing support program that presents valuable information on science, industry and medicine as well as opportunities for recruiting, cultural activities and networking.

Recruiting – Planning the future!

The training and expertise of young professionals is the future of innovation! Many companies and scientific institutions offer an ideal environment for training skills and gaining expertise for tomorrow's medicine and technology. Various recruiting events at the congress will provide attractive opportunities for contacting and presenting offers.



Innovation at Night – WC2009 Innovation Award

The best thing that can happen is turning an idea into a technology that benefits healthcare! A jury of leading international experts will select premium ideas and innovations presented at the congress. The winners of the "WC2009 Innovation Award" will be presented at the Awards Ceremony "Innovation at Night" during the congress.



Opening Ceremony – A fabulous kick-off!

Top-level speakers from science, medicine, industry and politics will highlight the global importance of the key issues being covered at this international congress. The ceremony will be an outstanding event offering various opportunities for personal contacts and talks in exclusive surroundings.



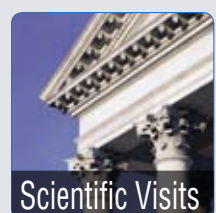
VDE Forum – Shaping tomorrow's medicine

Since new key technologies are expected to make major contributions to the solution of future challenges for medicine, a comprehensive discussion of options on global healthcare systems has to begin today. The VDE Forum will provide an excellent opportunity to discuss these issues with leading international experts from medicine, science, business and the fields of ethics and futurology.



Scientific visits

The region is striving to consolidate its position as Europe's top biomedicine cluster. Numerous institutes, hospitals and companies can be visited.



The Hosts

IUPESM – www.iupesm.org

The International Union for Physical and Engineering Sciences in Medicine, incorporating the IFMBE and the IOMP, represents more than 140,000 biomedical engineers and medical physicists and operates under the principal objective to advance sciences in medicine for the benefit and well-being of humanity.

IOMP – www.iomp.org

The International Organization for Medical Physics represents over 16,500 medical physicists worldwide and 76 national member organizations.

IFMBE – www.ifmbe.org

The International Federation for Medical and Biological Engineering is primarily a federation of national and transnational organizations. The Federation has an estimated 120,000 members in 58 affiliated organizations.

DGMP – www.dgmp.de

The German Society for Medical Physics (DGMP) was founded in 1969 and represents about 1,200 members working in science, industry and hospitals. Several regional sections of the Society have been established in recent years to improve communication channels among medical physicists in Germany and to support educational measures.

DGBMT – www.dgbmt.de

German scientists in the field of biomedical engineering are organized in the DGBMT, which was founded in 1972. The Society merged with the VDE in 2001 and now has about 1,900 members including physicians, engineers, scientists and companies.

EFOMP – www.efomp.org

The European Federation of Organizations in Medical Physics (EFOMP) was founded in 1980. The current membership covers 35 national organizations which together represent more than 5,000 physicists and engineers in the field of medical physics.

VDE – www.vde.com

The VDE Association for Electrical, Electronic & Information Technologies currently has over 34,000 members, including a broad spectrum of engineers, scientists and technicians, some 7,000 students and roughly 1,250 corporate and institutional members.

www.wc2009.org