

HEIDELBERG  
UNIVERSITY



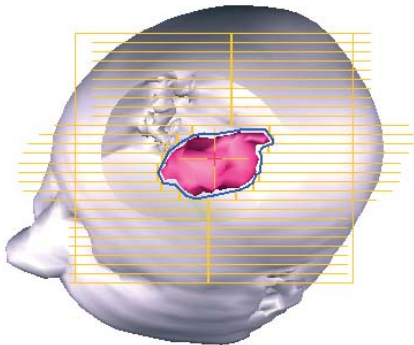
German Cancer  
Research Center



University Hospital  
Heidelberg



## 9<sup>th</sup> Teaching Course on IMRT / IGRT



July 2<sup>nd</sup> – 4<sup>th</sup> 2009

in cooperation  
Siemens OCS Heidelberg  
and  
Institute of Cancer Research &  
Royal Marsden Hospital, London

**SIEMENS**

**ICR**

Postgraduate  
Scientific Studies

### Information

#### Target Audience

Radiation oncologists and medical physicists, who are interested in starting a clinical IMRT / IGRT program.

This workshop has been accredited by EFOMP as a CPD event for Medical Physicists.

#### Date and Venue

July 2<sup>nd</sup>, 3<sup>rd</sup>

ConferenceCenter The Heidelberg Technology Park  
Im Neuenheimer Feld 582, 69120 Heidelberg

July 3<sup>rd</sup>

Siemens OCS Heidelberg Training Center  
Hans-Bunte-Strasse 10, 69123 Heidelberg

July 3<sup>rd</sup>, 4<sup>th</sup>

DKFZ Heidelberg, Conference Center  
Im Neuenheimer Feld 280, 69120 Heidelberg

#### Registration

€ 610 (incl. 1 lunch per day, 1 dinner)

Bank data:

BW-Bank Stuttgart

Bank code 600 501 01

Account 7 421 500 436

IBAN DE 69 6005 0101 7421 5004 36

BIC SOLADEST

Please reference your payment to:

→ **DEB 88, IMRT / IGRT**

Please register until June 11<sup>th</sup>

→ via email to [wisswb@uni-hd.de](mailto:wisswb@uni-hd.de)

providing your name, address, phone and department/institution.

After your registration and your payment, confirmation and receipt will be forwarded.

→ You also may use our registration form.

If you cancel your registration please remark, that we have to charge 25% of the registration fee after June 18<sup>th</sup>. If you cancel after June 25<sup>th</sup> we have to charge the complete registration fee.

#### Accommodation

Costs of accommodation are not included. Please make your reservation directly with a hotel of your own option. For your assistance we could send you a list of hotels near course venue if desired.

### Information

#### Chairmen

- Prof. Debus (University Clinic Heidelberg)
- Prof. Oelfke (German Cancer Research Center Heidelberg)
- Prof. Schlegel (German Cancer Research Center Heidelberg)
- Prof. Webb (Institute of Cancer Research & Royal Marsden Hospital, London)

#### Lecturers

- Prof. Bischof (University Clinic Heidelberg)
- Prof. Delorme (German Cancer Research Center Heidelberg)
- Dipl. Ing (FH) Häring (German Cancer Research Center Heidelberg)
- Prof. Herfarth (University Clinic Heidelberg)
- Prof. Huber (German Cancer Research Center Heidelberg)
- Prof. Kiricuta (St. Vincenz-Hospital Limburg)
- Dr. Lutters (Canton Hospital Aarau)
- PD Dr. Muentner (University Clinic Heidelberg)
- Dr. Nill (German Cancer Research Center Heidelberg)
- Dipl. Ing (BA) Rhein (German Cancer Research Center Heidelberg)
- Dr. Röder (German Cancer Research Center Heidelberg)
- Dipl.-Ing. Schwahofer (German Cancer Research Center Heidelberg)
- C. Timke (German Cancer Research Center Heidelberg)
- PD Dr. Zabel-du Bois (German Cancer Research Center Heidelberg)

#### Contact and Information

Heidelberg University

Department

Postgraduate Scientific Studies

Bergheimer Str. 58, building 43 11

DE - 69115 Heidelberg

Phone: ++ 49 (0) 62 21/54-7810

Fax: ++ 49 (09 62 21/54-7819

E-Mail: [wisswb@uni-hd.de](mailto:wisswb@uni-hd.de)

[www.imrt.uni-hd.de](http://www.imrt.uni-hd.de)

# Agenda

## Thursday July 2<sup>nd</sup>

09:00	Welcome and introduction	Prof. Schlegel
09:15	Clinical motivation	Prof. Debus
10:00	Imaging for target volume determination in radiotherapy	Prof. Delorme
10:45	Coffee Break	
11:15	Introduction to IMRT and IGRT	Prof. Schlegel
12:15	Lunch	
13:15	IMRT: Beam delivery incl. arc therapy	Prof. Webb
14:00	Target volume definition based on patient anatomy	Prof. Kiricuta
14:45	Round table discussion: Where are the limits of IMRT? Why do we aim for IGRT? Benefits of IGRT?	Moderation: Prof. Webb Participants: Professors: Debus, Kiricuta, Oelfke, Schlegel
15:15	Coffee break	
15:45	Inverse planning: Optimization and dose calculation	Prof. Oelfke
16:30	Evaluation of clinical IMRT cases: head & neck	PD Dr. Münter
17:00	Evaluation of clinical IMRT cases: gastro, lung	Prof. Herfarth
17:30	Wrap up first day	Prof. Webb
17:45	End of 1 <sup>st</sup> day	

## Friday July 3<sup>rd</sup>

09:00	Implementing IMRT & IGRT at Kantonsspital Aarau using MVision; concept & workflow	Dr. Lutters
09:45	Impact of geometrical uncertainties on IMRT dose distributions	Prof. Oelfke
10:30	Coffee Break	
11:00	IGRT techniques at a glance	Prof. Webb
11:45	IGRT: Clinical examples from UHD and DKFZ	PD Dr. Zabel-du Bois 30 min Prof. Bischof 30 min
12:45	Lunch Break	
13:45	Group 1: Transfer to Siemens OCS Heidelberg	Shuttle
13:45	Group 2: Transfer to DKFZ	
14:00	Group 1: IMRT practical session Hands on with different TPS	Dr. Nill, C. Timke, Dr. Röder, Dipl.-Ing. A. Schwahofer, PD Dr. Zabel-du Bois
14:00	Group 2: Tour and visit of DKFZ, Heidelberg University, Heidelberg Ion Therapy Center	Prof. Schlegel
17:00	End of practical session	
19:00	Dinner	

## Saturday July 4<sup>th</sup>

09:00	IMRT & IGRT at DKFZ introduction	Prof. Huber
09:30	Group 1: QA of IMRT treatments Practical session at linac	Dipl. Ing. (BA) Rhein, Dipl. Ing. (FH) Häring
09:30	Group 2: Clinical session	N.N., Prof. Herfarth
10:30	Group 1 & 2: final discussion: Topics: --> Margins, IGRT - extra dose, --> IMRT & IGRT : Problems vs. benefits --> Physical and medical requirements --> Implementing of a quality system	All
11:30	Course evaluation	
12:00	End	