

# Theme 5

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## Information and Communication in Medicine, Telemedicine and e-Health



### Theme Chairs:

**Heinz U. Lemke**,  
Technical University  
Berlin, University of  
Leipzig, Germany,  
University of South-  
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**H. K. Huang**,  
University of  
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Marina del Rey, USA

### ABSTRACT:

One of the most distinguished features of information and communication technology (ICT) in medicine is the potential beneficial impact on quality and cost of healthcare. Administrative and management aspects can be effectively supported as well as diagnostic and therapeutic activities in medicine. Theme 5 focuses on a wide spectrum of relevant ICT technologies across healthcare applications with an emphasis on diagnosis and therapy based on images and other information sources.

### TRACKS:

#### Image Processing, Display and Visualization

##### Track Chairs:

**Andrew Todd Pokropek**,  
University College of  
London, UK

**Hans Peter Meinzer**, DKFZ  
German Cancer Research  
Center,  
Heidelberg, Germany

#### Computer Aided Diagnosis

##### Track Chairs:

**Kunio Doi**,  
University of Chicago Hos-  
pitals, USA

N.N.

#### Hospital-wide PACS\*

##### Track Chairs:

**Davide Caramella**,  
University of  
Pisa, Italy

**Berthold B. Wein**,  
University Hospital  
Aachen, Germany

#### Surgical PACS

##### Track Chairs:

**Osman M Ratib**,  
University Hospital of  
Geneva, Switzerland

**Klaus Radermacher**,  
RWTH Aachen University,  
Germany

#### Standards: DICOM\*\*, ISO, IHE\*\*\*

##### Track Chairs:

**Dewinder S. Bhachu**,  
St. George's Hospital,  
London, UK

**Peter Mildenberger**,  
Clinical Center of the  
Johannes Gutenberg  
University of  
Mainz, Germany

#### Electronic Medical Record

##### Track Chairs:

**Peter Waegemann**,  
Medical Record Institute,  
Newton, USA

**Rolf Engelbrecht**,  
German Research Center  
for Environmental Health,  
Munich, Germany

#### Telemedicine

##### Track Chairs:

**Bernard L. Crowe**,  
The Health Informatics  
Society of Australia,  
Canberra, Australia

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#### Digital Operating Room

##### Track Chairs:

**H. K. Huang**,  
University of Southern  
California,  
Marina del Rey, USA

**Gero Strauss**,  
Clinical Center of the  
University of  
Leipzig, Germany

#### Workflow, Patient Specific Modeling

##### Track Chairs:

**Pierre Jannin**,  
Université de  
Rennes, France

**Heinz U. Lemke**,  
Technical University Berlin,  
University of Leipzig,  
Germany,  
University of Southern  
California, USA

#### Strategies for Biomarker Selection

##### Track Chairs:

**Olga Golubnitschaja**,  
University of  
Bonn, Germany

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\*Picture Archiving and Communication System  
\*\*Digital Imaging and Communications in Medicine  
\*\*\*Integrating the Healthcare Enterprise