



# ISRACAS'2004 – Seventh Israeli Symposium on



## Computer-Aided Surgery, Medical Robotics, and Medical Imaging

Thursday May 13, 2004

Medical Center Auditorium, Rabin Medical Center (Bellinson), Petach Tikva, Israel

### Symposium Organizers

L. Joskowicz, PhD, Hebrew University  
M. Shoham, DSc, Technion

### Invited speakers

K. Radermacher, Aachen U., Germany  
*Recent advances in CAOS*

H. Fuchs, PhD, U. of North Carolina, USA  
*Medical visualization and simulation*

### Local Program Committee

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R.H. Taylor, PhD, Johns Hopkins U., USA  
M. Vannier, MD, U. of Iowa, USA

### Registration and information

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### Website:

<http://www.cs.huji.ac.il/~josko/isracas2004.html>

### Sponsors

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### Endorsed by

Int. Society of Computer-Aided Surgery  
Israeli Society for Medical and Biological Eng.

### Goal

The goal of the symposium is to convene in Israel clinicians, scientists, and engineers actively interested in medical imaging, computer science, and robotics, and their application to the planning, monitoring, and execution of medical surgeries. ISRACAS'2004 is a sequel to the six previous yearly symposia, started in 1998. Each was attended by over 150 participants, evenly distributed between clinicians, industry, and engineering academia.

### Schedule

The one-day symposium consists of two invited talks by international experts, a live surgery, and 16 peer-reviewed paper presentations:

<b>8:00-8:30</b>	<b>REGISTRATION</b>
<b>8:30-8:45</b>	<b>Welcome and introductory remarks</b>
<b>8:45-9:15</b>	<b>Paper session 1: Neurosurgery</b>
<b>9:15-10:45</b>	<b>Paper session 2: Comp.-aided orthopaedic surgery</b>
<b>10:45-11:15</b>	<b>COFFEE BREAK</b>
<b>11:15-11:45</b>	<b>Special session: Live cardiac surgery with Zeus</b> Dr. A. Stamler, Rabin Medical Center
<b>11:45-12:30</b>	<b>I: K. Radermacher, Univ. of Aachen, GERMANY.</b> <i>Synergy of man and machine in CAS</i>
<b>12:30-13:00</b>	<b>Paper session 3: Cardiology</b>
<b>13:00-14:15</b>	<b>LUNCH BREAK</b>
<b>14:15-14:45</b>	<b>Paper session 4: Laparoscopy and endoscopy</b>
<b>14:45-15:30</b>	<b>II: H. Fuchs, Univ. of North Carolina, USA</b> <i>Medical image visualization and simulation</i>
<b>15:30-16:00</b>	<b>COFFEE BREAK</b>
<b>16:00-17:00</b>	<b>Paper session 4: Medical image processing</b>
<b>17:30-17:45</b>	<b>Closing remarks</b>

### Registration

Participants are required to register and pay a nominal fee which entitles them to lunch, proceedings, and coffee refreshments. We encourage participants to register early, as the number of participants will be limited. Registration fees are as follows:

*By April 18:* IS 300 (\$65), IS 150 (\$35) students  
*On-site registration:* IS 350 (\$75), IS 175 (\$40) students

Payment is by check made to "Technion" or cash on-site (no credit cards). Send checks to Prof. M. Shoham.