

# NCIGT and NA-MIC Workshop on Open System Architecture for Image-Guided Therapy

October 19-20, 2006

Doubletree Hotel & Executive Meeting Center, Rockville MD 20852

## Thursday October 19, 2006

1:00-1:10pm: Welcome (Ferenc Jolesz, BWH)  
1:10-1:15pm: Why Open-Source will make our Life Better (Ron Kikinis, BWH)  
1:15-1:20pm: Goals for the Workshop (Randy Ellis, BWH)  
1:20-1:40pm: IGT System Design Kevin Cleary, (Georgetown University)  
1:40-2:00pm: IGT Software Design and Process (Bill Lorensen, GE Research)  
2:00-2:20pm: IGT System Engineering (Peter Kazanzides, Johns Hopkins University)  
2:20-2:40pm: IGT User Interfaces and Human-Computer Interactions (Randy Ellis, BWH)  
2:40-3:00pm: Evolution of a VR-Based IGT Environment (Terry Peters, David Gobbi, Robarts)  
3:00-3:20pm: System Challenges in Image-Analysis for Radiation Therapy (Steve Pizer, UNC)  
3:20-3:40pm: Platform Technology for Multiple IGT applications (Bob Galloway, Vanderbilt)  
3:40-4:00pm: Coffee Break  
4:00-5:30pm: Panel Discussion I (Chair: Jim Duncan, Yale)  
5:30-6:30pm: Program and Organizing Committee Meeting

## Friday October 20, 2006

8:00am: Continental Breakfast  
8:55am: Welcome Back  
9:00-9:20am: Successes and Challenges in Therapy Delivery, (Gabor Fichtinger, JHU)  
9:20-9:40am: The OR and the need for an IT infrastructure and standards (Heinz Lemke, USC/CARS)  
9:40-10:00am: Successes and Challenges in Effectors and Scanner Control (Noby Hata, BWH)  
10:00-10:15am: NIBIB Perspective on IGT Research (John Haller, NIH)  
10:15-10:30am: NCI/NIST Perspective on IGT Research, (Larry Clarke, NIH)  
10:30-11:00am: Break  
11:00-11:40am: Panel Discussion II (Chair: Keyvan Farahani, NIH)  
11:40-12:00pm: Instructions for Breakout Groups  
12:00-1:00pm: Lunch  
1:00-2:30pm: Breakout discussions  
Breakout Session 1: Image Processing Workflows for IGT (Moderator: Stephen Aylward)  
Breakout Session 2: Validation (Moderator: Kirby Vosburgh)  
Breakout Session 3: Interfaces to Robots (Moderator: Peter Kazanzides)  
Breakout Session 4: Tracking Tina Kapur (Moderator: Simon DiMaio)  
Breakout Session 5: IGT Case Study: Radiation Therapy for Prostate (Clare Tempany)  
2:30-2:45pm: Coffee Break  
2:45pm-3:30pm: Plenary Session (Breakout Reports)  
3:30pm: Adjourn

### For Breakout Session Leads and Program Committee:

3:30-4:30pm: Data gathering and documentation planning.