

# 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: [Clinical Applications of IGT](#) Clare Tempany, BWH  
12:00-12:15pm: Instructions for Breakout Groups  
12:15-1:30pm: Lunch  
1:30-3:30pm: Breakout discussions  
Breakout Session 1: [Image Processing Workflows for IGT](#) Stephen Aylward  
Breakout Session 2: [Validation](#) Kirby Vosburgh  
Breakout Session 3: [Interfaces to Robots](#) Peter Kazanzides  
Breakout Session 4: [Tracking](#) Tina Kapur, Simon DiMaio  
Breakout Session 5: [IGT Case Study: Radiation Therapy for Prostate](#) Clare Tempany  
3:30pm-3:40pm: Wrap up and Adjourn Workshop

### For Breakout Session Leads and Program Committee:

3:40-4:30pm: Breakout Session Report Preparation and Presentation  
4:30-6:00pm: Documentation of Results