

**Symposium on**  
**New Horizon of Medical Physics**  
**In Radiation Oncology**

*Final (3/25/02)*

**April 27, 2002 Saturday**

- 8:30~12:00 Registration
- 9:00~9:30 Opening Remark
- Andrew Huang, MD, President, SYSCC*
- David Huang, PhD, Taiwan Organizer*
- Andrew Wu, PhD, U.S. Organizer*
- 9:30~10:30 The New Horizon of Image-based Radiation Oncology – - *Andrew Wu, PhD, University of Pittsburgh*
- 10:30~10:50 Break
- 10:50~11:50 The Roles of PET/CT Fused Images on Treatment Strategy --
- Shalom Kalnicki, MD, University of Pittsburgh*
- 11:50~12:20 Panel Discussion
- 12:20~13:30 Lunch
- 13:30~14:30 Basic Principles of IMRT- - *N. Suntharalingam, PhD, Thomas Jefferson University*
- 14:30~15:30 Implementations of Quality Assurance for a New IMRT Program –
- Cheng B. Saw, PhD, University of Nebraska*
- 15:30~16:00 Break and Visit Commercial Exhibition
- 16:00~17:00 Clinical Indications and Efficacies of IMRT - - *Shalom Kalnicki, MD, University of Pittsburgh*
- 17:00~17:30 Panel Discussion

**April 28, 2002 Sunday**

- 8:30~9:30 Basic Principles in Dosimetry of Brachytherapy - *N. Suntharalingam, PhD, Thomas Jefferson University*
- 9:30~10:30 Clinical Procedures and Efficacies for Interstitial Prostate Seeds Implants – *Tao-seng Chen, PhD, Albany Medical College*
- 10:30~10:50 Break
- 10:50~11:50 Current Clinical Applications for HDR - - *Shalom Kalnicki, MD, University of Pittsburgh*
- 11:50~12:20 Panel Discussion
- 12:20~13:30 Lunch
- 13:30~14:30 Intravascular Brachytherapy - - *Cheng B. Saw, PhD, University of Nebraska*
- 14:30~15:30 HDR Calibration Protocol - *Tao-seng Chen, PhD, Albany Medical College*
- 15:30~16:00 Break and Visit Commercial Exhibition
- 16:00~17:00 Introduction of Monte Carlo Dose Calculation in Radiation Treatment Planning System - - *Chen-Shou Chui, PhD, Tsing-Hua University /Memorial Sloan Kettering Cancer Center*
- 17:00~17:30 Panel Discussion

**April 29, 2002 Monday**

- 8:30~9:20 Basic 2D/3D Algorithm for Dosimetry Calculations in Radiation Therapy - *Cheng B. Saw, PhD, University of Nebraska*

- 9:20~10:10 Basic Implementation of NEW AAPM Calibration Protocol  
- TG51 for Linac - *Chen-Shou Chui, PhD, Tsing-Hua  
University / Memorial Sloan Kettering Cancer Center*
- 10:10~10:30 Break and visit commercial Exhibition
- 10:30 ~11:20 Radiobiological Models for Plan Evaluation (TCP/NTCP) -  
*Andrew Wu, PhD, University of Pittsburgh*
- 11:20~12:10 Independent Verification of MU Setting as QA for IMRT- -  
*Chen-Shou Chui, PhD, Tsing-Hua University / Memorial  
Sloan Kettering Cancer Center*
- 12:10~12:50 Stereotactic Radiosurgery – *Tao-seng Chen, PhD, Albany  
Medical College*
- 12:50~13:00 Closing Remarks – *David Huang, PhD, Local Organizer*
- 13:00 Adjourn