REPORT OF 2010 ORVC SPRING EDUCATIONAL SYMPOSIUM

March 6, 2010

The 2010 Spring Educational Symposium of Ohio River Valley Chapter recently was held on Saturday, March 6th, at the University of Cincinnati Vontz Center for Molecular Studies. The Spring Meeting is dedicated to medical physics education. It is an opportunity for the graduate students, post-doctoral researchers, and residents within the Chapter to present their research. The meeting program consisted of one Keynote Address and 11 student/trainee presentations. The meeting attracted about 100 participants and over 20 vendor sponsors, both of the numbers are record highs for our Chapter.

Suggested by our Chapter members, starting from this year, our Keynote Address was named as James G. Kerieakes Keynote Lecture to honor our distinguished Chapter member James G. Kerieakes, Ph.D., FAAPM. Dr. Kerieakes is a professor emeritus of the University of Cincinnati and a pioneer of medical physics. He served as president of AAPM and received its highest awards, the William D. Coolidge Award and the Gold Medal. He had served various committees within the AAPM and other societies and received numerous awards. The meeting was honored with the attendance of Dr. Kerieakes and his wife Helen Kerieakes.

The first James G. Kerieakes Keynote Lecture was delivered by Cedric X. Yu, D.Sc., FAAPM. Dr. Yu is the endowed Carl M. Mansfield professor at the University of Maryland, and he gave a wonderful Keynote Address entitled “IMAT: Principles and Historic Perspectives.” Dr. Yu presented various aspects of Intensity-Modulated Arc Therapy (IMAT), including its history, principles, clinical implementation and QA, and future development directions. Dr. Kerieakes presented the plaque of James G. Kerieakes Keynote Lecture to Dr. Yu (Photo 1).

Eleven abstracts selected by the Executive Board of the Chapter were presented in the meeting. Each speaker was awarded a travel grant. A panel of judges was appointed to select the top three best presentations. Serving on the Judge Panel, were Ishmael E. Parsai, Ph.D., FACRO of the University of Toledo, Jerome G. Dare, Ph.D., FAAPM, professor emeritus of the Ohio State University, and Gregory E. Madison, M.S. of the Center for Cancer Care in WV. There were many strong presentations, with the followings taking the top honors: Qingya Zhao of Purdue University with “Impact/effect of respiratory motion in proton beam therapy with uniform scanning”, Jordyn Detwiler of University of Toledo with “Dosimetric Comparison of Three Multi-Lumen Brachytherapy Applicators with the Original MammoSite® Balloon Used in Partial Breast Irradiation (PBI)”, and Zhibin Huang, Ph.D. of the Ohio State University with “How Early Can We Predict the Outcome for Cervical Cancer during Radiation Therapy?”. Qingya Zhao was awarded the 1st Place of Best Presentations - the ORVC Award, with Jordyn Detwiler and Zhibin Huang taking 2nd Place (IsoAid Award) and 3rd Place (Q-FIX Award) (Photo 2). The awards were named after the entity providing sponsorship for it.

The Symposium concluded with our Chapter Business Meeting. Items discussed including Chapter By-Laws revision, medical physicist state licensure, financial report and the Chapter fall
meeting. **Michael S. Gossman**, M.S., President-Elect, briefly summarized the rationale of Chapter By-Laws revisions and the ongoing poll for approval. We urged the chapter members to vote on this important Chapter document. Chapter Board Representative **Howard Elson**, Ph.D., updated the members regarding the state licensure of medical physicists and his survey on this issue at the beginning of this year. **Michael Lamba**, Ph.D., former Secretary/Treasurer and **Rebecca Richardson**, M.S., current Secretary/Treasurer, gave a report regarding the Chapter’s current financial standing. The Chapter treasury remains healthy as a result of good turnouts from the recent meetings. **Jian Wang**, Ph.D., President, briefly discussed the arrangement of the Chapter fall meeting and will solicit a hosting institute and decide the date shortly after this meeting.

On the evening of March 5th, a night-out of the symposium was organized for our Chapter members, which was sponsored by Varian Medical System, Inc. Before the night-out event, Chapter members had the opportunity to join the Varian Brachytherapy User Meeting held earlier in the evening. The clinical forum was titled “Ohio River Valley Learning Symposium for Accelerated Partial Breast Irradiation (APBI) Latest Treatment Solutions and Rational” and hosted by Varian Medical Systems, Inc.

In conclusion, I would like to extend a big thank you to President-Elect **Michael S. Gossman**, M.S. his outstanding efforts securing vendors and financial backing for the meeting as it was instrumental in the success of the Symposium. **Rebecca Richardson**, M.S. (Secretary/Treasurer) and **Michael Lamba**, Ph.D. (former Secretary/Treasurer) both deserve acknowledgement for their tireless work coordinating the meeting arrangements and on-site details at the University of Cincinnati. **Matthew Meneike**, Ph.D. (Past Present) and **Howard Elson**, Ph.D. (Chapter Board Representative) also provided valuable guidance and contribution to the success of this meeting. Finally I would take this opportunity to acknowledge the generous support of the following corporate participants:

- **Platinum sponsor:** Varian;
- **Golden sponsors:** Isoaid and WFR Aquaplast/Q-fix;
- **Silver sponsors:** Acceletronics/RadParts/TheraView, Best Industries/CNMC Company, BrachySciences, IBA Dosimetry, Integra/Radionics, IsoRay, LACO, Nelco Worldwide, Nucletron, Philips, PTW, Resonant Medical, Siemens OCS, Sun Nuclear, Tomotherapy

Jian Z. Wang, Ph.D.
President
Ohio River Valley Chapter, AAPM
Photo 1. James G Kereiakes Keynote Lecture plaque was presented to Dr. Yu
L to R: Jian Z. Wang (President), Michael S. Gossman, (President-Elect), Cedric X. Yu and James G. Kereiakes

Photo 2. The ceremony of top presentations.
L to R: Michael S. Gossman (President-Elect), Zhibin Huang (3rd place), Ishmael E. Parsai (Judge), Qingya Zhao (1st place), Jordyn Detwiler (2nd place), Gregory E. Madison (Judge), Jerome G. Dare (Judge), Jian Z. Wang (President)