

Computational Medical Physics Working Group Workshop II
Official Score Results

SESSION I

Abstract number	Abstract title	Author/Authors	Institute
101	Effect of abdominal subcutaneous fat on organ dose in radiography and computed tomography: Monte Carlo calculation study	<u>Choonsik Lee*</u> , Daniel Lodwick, Deanna Hasenauer, and Wesley Bolch	University of Florida
102	A Skeletal Reference Dosimetry Model for the Adult Female	Kayla Kielar ¹ , Amish Shah ² , Wesley Bolch ¹	1. University of Florida 2. MD Anderson Cancer Center
103	DEVELOPMENT OF HYBRID COMPUTATIONAL NEWBORN PHANTOM FOR DOSIMETRY CALCULATION: THE SKELETON	<u>Deanna Hasenauer</u> ¹ , Choonsik Lee ¹ , Daniel L. Lodwick ¹ , Christopher J. Watchman ² , Wesley E. Bolch ¹	1. University of Florida 2. University of Arizona
104	AN IMAGE-BASED SKELETAL CANINE MODEL FOR PRE-CLINICAL EVALUATIONS OF OSTEOSARCOMA MOLECULAR RADIOTHERAPY	<u>Wesley Bolch</u> , Laura Padilla, Choonsik Lee, Rowan Milner, Amir Shahlaee	University of Florida
105	HDRK-MAN: A WHOLE BODY VOXEL MODEL BASED ON HIGH-RESOLUTION COLOR SLICE IMAGES OF A KOREAN ADULT MALE CADAVER	Chan Hyeong Kim ^{1*} , Sang Hyun Choi ¹ , Jong Hwi Jeong ¹ , Choon-Sik Lee ² , Min Suk Chung ³	1. Hanyang University 2. University of Florida 3. Ajou University

106	An Anthropometric Approach to Assigning Reference Phantoms to Individual Patients for Medical Organ Dose Reconstruction.	Scott Whalen, Wesly Bolch	University of Florida
107	Development of a fast and robust 2D-3D Registration method for image-guided radiation therapy	Jian Wu, Minho Kim, Jayinder Palta, Sanjiv Samat	University of Florida
108	Statistical Approach to Medical Image Errors Analysis	S. M. Aceil	Alcorn State University
109	DETERMINISTIC 3D RADIATION TRANSPORT SIMULATION FOR DOSE DISTRIBUTION AND ORGAN DOSE EVALUATION IN DIAGNOSTIC CT	Monica Ghita, Glenn Sjoden, Manuel Arreola, Ahmad Al-Basheer, Choonsik Lee, Wesly Bolch	University of Florida

SESSION II

Abstract number	Abstract title	Author/Authors	Institute
201	AN ELECTRON/PHOTON TRANSPORT BIBLIOGRAPHIC DATABASE	John C. Garth	
202	MULTIDIMENSIONAL COUPLED PHOTON-ELECTRON TRANSPORT SIMULATIONS USING NEUTRAL PARTICLE SN CODES	Dan Ilas , Mark L. Williams, Douglas E. Peplow, and Bernadette L. Kirk	Oak Ridge National Laboratory
203	Comparative Analysis of Nuclear Cross Sections in Monte Carlo Methods for Medical Physics Applications	Chris Myers 1 Bernadette L. Kirk 2 Luiz C. Leal 2	1.Georgia Institute of Technology 2.Oak Ridge National Laboratory

204	IMPLEMENTATION OF SALIVARY GLANDS IN THE BODYBUILDER ANTHROPOMORPHIC PHANTOMS	Kenneth A. Van Riper ¹ , James Roberts ² , Josephine Clorley ²	1. White Rock Science 2. Velindre Cancer Centre
205	Comparison of Predictions by MCNP and EGSnrc of Radiation Dose imparted to various Material Targets by Beams and small volumetric Sources.	Eric Steinfelds	
206	ELECTRON DOSE KERNELS TO ACCOUNT FOR SECONDARY PARTICLE TRANSPORT IN DETERMINISTIC SIMULATIONS	Ahmad Al-Basheer, Glenn Sjoden Monica Ghita	University of Florida
207	MCNP4C3-BASED SIMULATION OF A MEDICAL LINEAR ACCELERATOR	Siva R. Manoharan, L. Venkatanarayana, M. Chandrasekar	Redding Cancer Treatment Center
208	COUPLED PHOTON/ELECTRON COARSE MESH TRANSPORT METHOD FOR DOSE ANALYSIS IN TISSUES	Dingkang Zhang and Farzad Rahnema	Georgia Institute of Technology