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PROFESSIONAL APPOINTMENTS

2008 – Present Clinical Assistant Professor, Radiation Oncology, Univ. of Pittsburgh, PA
2007 – 2008 Clinical Instructor, Radiation Oncology, Stanford University, CA

EDUCATION

2004 – 2007 Postdoctoral Fellow, Radiation Oncology, Stanford University, CA
2004 Ph.D. Medical Physics, Peking Union Medical College, Beijing, China

CERTIFICATION

2009 American Board of Radiology Certification in Therapeutic Physics

ORGANIZATIONS

Member of American Association of Physicists in Medicine (AAPM)

Member of American Society for Therapeutic Radiology and Oncology (ASTRO)

PEER-REVIEWED ARTICLES AND SELECTED ABSTRACTS

1. **Chuang Wang**, Jianrong Dai and Yimin Hu, Optimization of beam orientations and beam weights for conformal radiotherapy using mixed integer programming, Phys. Med. Biol. 48(2003) 4065-4076
2. **Chuang Wang**, and Yimin Hu, Techniques in beam orientation optimization, Chinese Journal of Radiation Oncology Vol. 13 No. 2 (2004) 104-106
3. Jianrong Dai, Yimin Hu, Hongzhi Zhang, Ying Guan, Ke Zhang and **Chuang Wang**, Plan-specific dosimetric verification for patient treated with intensity-modulated radiation therapy, Chinese Journal of Radiation Oncology Vol.13 No.3 (2004) 229-233
4. Yong Yang, Eduard Schreibmann, Tianfang Li, **Chuang Wang** and Lei Xing, Evaluation of on-board KV cone beam CT(CBCT)-based dose calculation, Phys. Med. Biol. 52(2007) 685-705
5. **Chuang Wang**, Ming Chao, Louis Lee, Lei Xing, MRI-based Treatment Planning with Electron Density Information Mapped from CT Images: A Preliminary Study, Technology in Cancer Research and Treatment 7(2008) 341-348
6. **Chuang Wang**, M Chao, and L Xing, Electron Density Mapping for MRI-Based Treatment Planning, 2007 AAPM Annual Meeting, Minneapolis
7. **Chuang Wang**, Y Yang, and L Xing, Evaluation of kV CBCT-Based Dose Verification, 2006

AAPM Annual Meeting, Orlando

8. **Chuang Wang**, Y Yang, and L Xing, Optimization of Radiotherapy Dose-Time-Fractionation Scheme with Consideration of Tumor Specific Biology, 2005 AAPM Annual Meeting, Seattle
9. **Chuang Wang**, Y Yang, and L Xing, Time-Resolved Aperture Modulated Radiation Therapy , 2005 AAPM Annual Meeting, Seattle.