BIOGRAPHICAL SKETCH

NAME: Kenneth H. Wong

POSITION TITLE: Associate Dean

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion YEAR YYYY	FIELD OF STUDY
Brandeis University, Waltham, MA	BA	1991	Physics
University of California, Berkley, CA and San Francisco CA	PhD	2002	Bioengineering
Georgetown University, Washington DC	Post Doc	2002-2005	Imaging Science & Information Systems

A. Positions

2012 – Present	Associate Dean of the Graduate School in the National Capital Region (NCR); Director of the Northern Virginia Center, Virginia Tech-NCR, Falls Church, VA
2010-2016	Director, Biomedical Technology Development & Management (BTDM) M.S., Virginia Tech-NCR, Arlington, VA
2009-Present	Research Assistant Professor, Physics, Virginia Tech-NCR, Arlington, VA
2007-2009	Physics Director, Preclinical Imaging Research Laboratory (PIRL) Georgetown University, Washington, DC
2005-2009	Assistant Professor, Imaging Science and Information Systems Center, Georgetown University, Washington, DC
2002-2005	Postdoctoral Research Fellow, Imaging Science and Information Systems Center, Georgetown University, Washington, DC
1994-2002	Graduate Student Research Assistant, Physics Research Laboratory, University of California San Francisco, San Francisco, CA
2001	Consultant, Amira Medical, Scotts Valley, CA

B. Publications and Presentations
Book Chapters:

1. **Kenneth H. Wong**, "Imaging Modalities", in *Image-Guided Interventions* (Terry Peters and Kevin Cleary, editors), Springer Science + Business Media, LLC, 2008.

Peer-Reviewed Journal Publications:

1. Tammie L. Benzinger, David Brody, Sylvain Cardin, Kenneth C. Curley, Mark A. Mintun, Seong K. Mun, **Kenneth H. Wong**, and Jean R. Wrathall, "Blast-related brain injury: imaging for clinical and research applications: report of the 2008 St. Louis workshop" *Journal of Neurotrauma* 2009 Dec; 26(12):2127-44.
2. Leigh W. Jerome, **Kenneth H. Wong**, "Industry roundtable for interoperability and business process," *Military Medicine* 2009 May; 174(5 Suppl): 51-5.
3. Sonja Dieterich, Kevin Cleary, Warren D'Souza, Martin Murphy, **Kenneth H. Wong**, and Paul Keall, "Locating and targeting moving tumors with radiation beams," *Medical Physics* 2008 Dec; 35(12):5684-94.
4. **Kenneth H. Wong**, Sonja Dieterich, Jonathan Tang, and Kevin Cleary, "Quantitative Measurement of CyberKnife Robotic Arm Steering," *Technology in Cancer Research and Treatment* 6(6):589-594, 2007.
5. Youngho Seo, **Kenneth H. Wong**, Mingshan Sun, Benjamin L. Franc, Randall A. Hawkins, and Bruce H. Hasegawa, "Correction of photon attenuation and collimator response for a body-contouring SPECT/CT imaging system," *Journal of Nuclear Medicine* 46(5):868-77, 2005.
6. Youngho Seo, **Kenneth H. Wong**, Bruce H. Hasegawa, "Calculation and validation of the use of effective attenuation coefficient for attenuation correction in In-111 SPECT," *Medical Physics* 32(12):3628-35, 2005.
7. Bruce H. Hasegawa, **Kenneth H. Wong**, Koji Iwata, William Barber, Andrew Hwang, Anne Sakdinawat, Mohan Ramaswamy, David C. Price, Randall A. Hawkins, "Dual-modality imaging of cancer with SPECT/CT," *Technology in Cancer Research & Treatment* 1(6):449-58, 2002.
8. Bruce H. Hasegawa, H. Roger Tang, Angela J. Da Silva, **Kenneth H. Wong**, Koji Iwata, and Max C. Wu, "Dual modality imaging," *Nuclear Instruments & Methods in Physics Research A* 471:140-4, 2001.

9. Angela J. Da Silva, H. Roger Tang, **Kenneth H. Wong**, Max C. Wu, Michael W. Dae, and Bruce H. Hasegawa, "Absolute Quantification of Regional Myocardial Uptake of Technetium-99m-labeled Sestamibi with SPECT: Experimental Validation in a Porcine Model," *Journal of Nuclear Medicine* 42(5):772-9, 2001.

Peer-Reviewed Conference Presentations/Papers (Excerpt):

1. Kenneth H. Wong, "Open Source Development of Mobile Health Platforms for Combat Casualty Care." OSEHRA Open Source Summit, Bethesda, MD, June 13-14, 2017.
2. Kenneth H. Wong. "Development of a Medic Smartphone Platform using Open Source Software." Open Source EHR Summit and Workshop, National Harbor, MD, October 18, 2012.
3. Jeryl C. Jones, **Kenneth H. Wong**, John Rossmeisl, Karen Inzana, Daniel Geiger, and Richard Sherry. "Measurement of spinal cord stretch injury using positional computed tomography and finite element analysis in a dog with cranio-cervical malformation/malarticulation." American Society of Spine Radiology Annual Symposium. Las Vegas, NV. Feb. 19, 2010. http://theassr.org/resourcelibrary/meeting-abstracts/
4. Emmanuel Wilson, Chris Chiodo, **Kenneth H. Wong**, Stanley Fricke, Mira Jung, and Kevin Cleary. "Robotically assisted small animal MRI-guided mouse biopsy." Conference Record of the SPIE Medical Imaging Symposium, San Diego, CA, February 2010.
5. **Kenneth H. Wong**, Ben S.C. Lo, Ching-Fang Lin, Bob Lasser, and Seong K. Mun. "Imaging components for a robotic casualty evaluation system." Conference Proceedings of the IEEE Engineering in Medicine and Biology Society 1:467-70, September 2009.
6. **Kenneth H. Wong**, Mira Jung, Anatoly Dritschilo, G. Larry Maxwell. "Dosimetric Optimization of Interstitial Gene Therapy Delivery Systems." Oak Ridge National Laboratory Biomedical Science and Engineering Conference, March 18-19, 2009.
7. **Kenneth H. Wong**, "Wearable Sensor Arrays for Blast and Acceleration-Induced Injury," 4th Annual World Congress of the International Brain Mapping and Intraoperative Surgical Planning Society (IBMISPS), Washington, DC, September 2007.
8. **Kenneth H. Wong**, Mira Jung, G. Larry Maxwell, Anatoly Dritschilo, "Dosimetry Studies of GeneSeed Therapy," American Association of Physicists in Medicine, Minneapolis, MN, July 2007.
9. **Kenneth Wong**, Sara Petrillo, Filip Banovac, Joseph Rahill, Elliot Levy, Raj Shekhar, David Earl-Graef, Kevin Cleary, "PET/CT-guided interventional procedures: rationale, justification, initial study, and research plan," *Int J CARS* (2007) 2 (Suppl 1).
10. **Kenneth H. Wong**, Lucian G. Gruionu, Patrick Cheng, Pamela Abshire, Valeri Saveliev, Seong K. Mun, Kevin Cleary, and Irving N. Weinberg, "PETglove™: A new technology for portable molecular imaging," SPIE Medical Imaging, San Diego, CA, February 2007.
11. Ziv Yaniv, **Kenneth H. Wong**, Filip Banovac, Elliot Levy, and Kevin Cleary, "The influence of CT based attenuation correction on PET/CT registration: an evaluation study," SPIE Medical Imaging, San Diego, CA, February 2007.
12. Ralph Lin, Sonja Dieterich, Kevin Cleary, and **Kenneth H. Wong**, "Simulation of Life-Like Breathing Patterns for a Respiratory Phantom," CyberKnife Users' Meeting, Palm Springs, CA, January 2007.
13. **Kenneth H. Wong**, Sonja Dieterich, Jonathan Tang, and Kevin Cleary, "Patient-Derived Breathing Patterns for a Hardware Respiratory Motion Simulator," ASTRO, Philadelphia, PA, November 2006.
14. **Kenneth H. Wong**, Elliot Levy, Ziv Yaniv, Filip Banovac, David Earl-Graef, and Kevin Cleary, "Integrated PET/CT Guidance System for Oncologic Interventional Radiology," IEEE Nuclear Science Symposium/Medical Imaging Conference, San Diego, CA, October 2006.
15. **Kenneth H. Wong**, Luis Ibanez, Teo Popa, and Kevin Cleary, "Creation of 4D imaging data using open source image registration software," SPIE Medical Imaging, San Diego, CA, February 2006.
16. Teo Popa, Luis Ibanez, Kevin Cleary, and **Kenneth H. Wong**, "ITK implementation of deformable registration methods for time-varying (4D) imaging data," SPIE Medical Imaging, San Diego, CA, February 2006.
17. **Kenneth H. Wong**, Sonja Dieterich, Jonathan Tang, and Kevin Cleary, "Evaluation of CyberKnife Synchrony Accuracy Using Optical Tracking," CyberKnife Users' Meeting, Carlsbad, CA, January 2006.
18. Youngho Seo, Benjamin Franc, Randall A. Hawkins, **Kenneth H. Wong**, and Bruce H. Hasegawa, "Progress in SPECT/CT Imaging of Prostate Cancer," RSNA Scientific Assembly and Annual Meeting, Chicago, IL, 2005.
19. **Kenneth H. Wong**, Sonja Dieterich, Jonathan Tang, Dan Stoianovici, and Kevin Cleary, "Evaluation of Respiratory Motion Compensation Methods for Stereotactic Radiosurgery," in *Proceedings of the International Conference of Medical Physics (ICMP 2005) and the German Society for Biomedical Engineering (BMT 2005)*, pp832-3, Nuremberg, Germany, September 2005.