

APPENDIX XIV.

INVITED PRESENTATIONS

by members of the Medical Physics Unit : 2009 calendar year

(in multiple author entries, the author who presented the paper is shown with an asterisk)

1. W. Parker, *CT simulation and IMRT for pediatric whole CNS irradiation*, Symposium on Modern Techniques in Pediatric Radiotherapy, Cairo, Egypt, February 05, 2009.
2. W. Parker, *Implementation of IMRT, IGRT, and SBRT*, Symposium on Modern Techniques in Pediatric Radiotherapy, Cairo, Egypt, February 05, 2009.
3. W. Parker, *Risk management and assessment in radiation oncology*, Symposium on Modern Techniques in Pediatric Radiotherapy, Cairo, Egypt, February 05, 2009.
4. J. Seuntjens, *Small and Non-Standard filed reference dosimetry: new formalism and challenges* Belgian Association of Hospital Physicists, Kortrijk, Belgium, February 07, 2009.
5. G.B. Pike, *BOLD hangovers: Physiological origins of the post-stimulus fMRI response*, University of Michigan Invited Speaker Series, Ann Arbor, Michigan, February 10, 2009.
6. J. Seuntjens, *Monte Carlo dose calculator techniques in radiation therapy planning, delivery and evaluation*, University of Toronto, Sunnybrook Odette Cancer Centre, February 24, 2009.
7. M.D.C. Evans*, *History and introduction to brachytherapy*, Conference on “Innovative Approaches in Radiotherapy: Beyond Tomorrow”, King Faisal Specialist Hospital & Research Centre, Riyadh, Kingdom of Saudi Arabia, March 09-12, 2009.
8. M.D.C. Evans*, *Special RT techniques: HDRB, TBI & TSI*, Conference on “Innovative Approaches in Radiotherapy: Beyond Tomorrow”, King Faisal Specialist Hospital & Research Centre, Riyadh, Kingdom of Saudi Arabia, March 09-12, 2009.
9. M.D.C. Evans*, *Linac QA and chamber calibrations*, Conference on “Innovative Approaches in Radiotherapy: Beyond Tomorrow”, King Faisal Specialist Hospital & Research Centre, Riyadh, Kingdom of Saudi Arabia, March 09-12, 2009.
10. M.D.C. Evans*, *20 years of HDR brachytherapy for carcinoma of the cervix at McGill*, Conference on “Innovative Approaches in Radiotherapy: Beyond Tomorrow”, King Faisal Specialist Hospital & Research Centre, Riyadh, Kingdom of Saudi Arabia, March 09-12, 2009.
11. M.D.C. Evans*, *Radiation safety and regulations: Patient and staff protection in radiotherapy*, Conference on “Innovative Approaches in Radiotherapy: Beyond Tomorrow”, King Faisal Specialist Hospital & Research Centre, Riyadh, Kingdom of Saudi Arabia, March 09-12, 2009.
12. M.D.C. Evans*, *Afterloading brachytherapy: Quality assurance and safety*, Conference on “Innovative Approaches in Radiotherapy: Beyond Tomorrow”, King Faisal Specialist Hospital & Research Centre, Riyadh, Kingdom of Saudi Arabia, March 09-12, 2009.
13. M.D.C. Evans*, *High dose rate brachytherapy*, Workshop Co-ordinator, Conference on “Innovative Approaches in Radiotherapy: Beyond Tomorrow”, King Faisal Specialist Hospital & Research Centre, Riyadh, Kingdom of Saudi Arabia, March 09-12, 2009.
14. M.D.C. Evans*, *IMRT/IGRT tomotherapy*, Workshop Co-ordinator, Conference on “Innovative Approaches in Radiotherapy: Beyond Tomorrow”, King Faisal Specialist Hospital & Research Centre, Riyadh, Kingdom of Saudi Arabia, March 09-12, 2009.
15. F. DeBlois, *Development de logiciels de physique médicale à McGill*, Présentation aux conférences de physique médicale du CHUM, Montréal, Québec, March 11, 2009.
16. M. Brodeur, *Things to know when you enter the real world*, Friday Morning Seminar, Medical Physics Unit, McGill University, Montréal, Quebec, March 20, 2009.
17. E.B. Podgorsak, *Teaching of medical physics in Canada and Quebec*, Annual Meeting of the Association québécoise des physiciens médicaux cliniques (AQPMC), Québec, Québec, April 17-18, 2009.

18. M.D.C. Evans*, *The role of medical physics in HDR brachytherapy*, National Research Council: Standards lab in-service, Ottawa, April 2009.
19. E.B. Podgorsak, *Education, training and certification of medical physicists in Canada*, 26th Annual Meeting of the American College of Medical Physics (ACMP), Virginia Beach, Virginia, May 02-05, 2009.
20. M. Brodeur*, M.C. Prigent, *Journée d'initiation à la tomothérapie*, Group of teachers from the Radiation Therapy Technologists program, Collège Ahuntsic, Quebec, May 09, 2009.
21. G.B. Pike, *Highways of the brain*, CIM-REPARTI Annual Workshop (Centre for Intelligent Machines and FQRNT Centre Regroupement Stratégique), May 29, 2009.
22. G.B. Pike, *Panelist – Health Care Section*, CIM-REPARTI Annual Workshop (Centre for Intelligent Machines and FQRNT Centre Regroupement Stratégique), May 29, 2009.
23. E.B. Podgorsak, *Equal rights for all includes equal right to health care*, Annual Meeting of the New England Chapter of the American Association of Physicists in Medicine (NE-AAPM), Plymouth, New Hampshire, June 05, 2009.
24. E.T. Soisson, *Quality assurance of an image-guided intracranial stereotactic positioning system for tomotherapy*, International Stereotactic Radiosurgery Society (ISRS) 9th Biennial Congress and Exhibition. Seoul, South Korea. June 10, 2009.
25. S. Devic, *Image guidance for endorectal brachytherapy*, Scientific Workshop Focused on Advancements in High Dose Rate Brachytherapy: “Nucletron Essentials in Brachytherapy”, Boca Raton, Florida, June 13, 2009.
26. A. Reader, conference “Approximation and optimization in image restoration and reconstruction” in Porquerolles, France (June 2009)
27. E.T. Soisson, *Development of a tomotherapy-based stereotactic radiosurgery program*, DHO-UWCCC and RTO-SKH Joint Symposium on Cancer Therapy, Shin Kong Wu Ho-Su Memorial Hospital, Taipei, Taiwan, July 17, 2009.
28. S. Devic, *Image guidance for endorectal brachytherapy*, Scientific Workshop Focused on Advancements in High Dose Rate Brachytherapy: “Nucletron Essentials in Brachytherapy”, Philadelphia, Pennsylvania, July 18, 2009.
29. S. Devic, *EBT-2 new waves in radiochromic film dosimetry*, ISP Workshop, 51st Annual Meeting of the AAPM, Anaheim, California, July 26-30, 2009.
30. J. Seuntjens, I. Das, J. Gibbons, *New dosimetry measurements: New developments*, Continuing Education Lecture, Annual Meeting of the American Association of Physicists in Medicine, Anaheim, California, July 29, 2009.
31. I. El Naqa, *A System-based Approach for Learning Radiotherapy Outcomes*, Montreal, Canada, 07/2009.
32. S. Lehnert, Keynote speaker, Cancer biology, 2nd World Congress of Cancer, China Beijing, July 2009.
33. A. Reader, Universidad Autónoma del Estado de Morelos for workshop in “Image Processing, Reconstruction and Robotics” (Cuernavaca, Mexico, July 2009) gave lectures in “PET Image Reconstruction”
34. G.B. Pike, *Quantitative myelin imaging: A unified view of magnetization transfer and T2*, Advanced Bioimaging Technologies Conference, Banff, Alberta, September 14-18, 2009.
35. N. Tomic, *Cone beam computed tomography in radiation therapy*, Monday Morning Rounds, Department of Radiation Oncology, McGill University Health Centre, Montréal, Québec, September 21, 2009.
36. E.T. Soisson, *Is IMRT QA really necessary?*, University of Wisconsin ADCL, Madison, Wisconsin, September 21, 2009.
37. E.T. Soisson, *Development of a tomotherapy based stereotactic radiosurgery program*, Medical Physics Seminar Series. University of Wisconsin, Madison, Wisconsin, September 21, 2009.
38. S. Devic, *Image-guidance for endo-rectal brachytherapy*, Harvard Medical School, Department of Continuing Education, 5th Annual Brachytherapy Review, Boston, Massachusetts, October 02-03, 2009.
39. E.B. Podgorsak, *Effects of target and flattening filter on the quality of linac beams*, Visiting Professor Lecture, University of Pennsylvania, School of Medicine, Philadelphia, Pennsylvania, October 15, 2009.
40. E.B. Podgorsak, *Crisis in American and Canadian Health Care: Is nationalized health care and answer?* Visiting Professor Lecture, University of Pennsylvania, School of Medicine, Philadelphia, Pennsylvania, October 15, 2009.
41. E.B. Podgorsak, *Education, accreditation, certification, and licensure in medical physics in North America*, Visiting Professor Lecture, University of Pennsylvania, School of Medicine, Philadelphia, Pennsylvania, October 15, 2009.

42. E.B. Podgorsak, *Crisis in health care financing in North America: A medical physicist's perspective*, Meeting of the Australasian College of Physical Scientists in Medicine (ACPSEM), Canberra, Australia, November 08-12, 2009.
43. E.B. Podgorsak, *Evolving trends in academic and clinical education of medical physicists*, Keynote Presentation, Meeting of the Australasian College of Physical Scientists in Medicine (ACPSEM), Canberra, Australia, November 08-12, 2009.
44. E.B. Podgorsak, *Medical physics teaching, accreditation, and certification in North America*, Meeting of the Australasian College of Physical Scientists in Medicine (ACPSEM), Workshop on Teaching and Education, Canberra, Australia, November 08-12, 2009.
45. E.B. Podgorsak, *Effect of target and flattening filter on high-energy x-ray beams in radiotherapy*, Medical Physics Tutorial Lecture, Peter MacCallum Cancer Institute, Melbourne, Australia, November 16, 2009.
46. E.B. Podgorsak, *Medical physics, teaching accreditation, and certification in North America*, Visiting Professor Lecture, University of Melbourne and Peter MacCallum Cancer Institute, Melbourne, Australia, November 16, 2009.
47. E.B. Podgorsak, *Organization and performance of health care systems in Canada, the USA, and Australia*, Peter MacCallum Cancer Institute, Melbourne, Australia, November 16, 2009.
48. H.J. Patrocinio, *Technical Aspects of Extra-Cranial Stereotactic Radiosurgery*, IAEA Workshop: State of the Art – Stereotactic Radiosurgery and IMRT, São Paulo, Brazil. 2009.
49. H.J. Patrocinio, *Physical Principles of Stereotactic Radiosurgery*, IAEA Workshop: State of the Art – Stereotactic Radiosurgery and IMRT, São Paulo, Brazil. 2009.
50. H.J. Patrocinio, *Le rôle de l'asservissement respiratoire dans le traitement par radiothérapie extra-crânienne*, Congrès annuel de l'Ordre des Technologues Radiologiques du Québec, Laval, Québec. 2009.

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1. A. Reader, Quebec Bioimaging network “Advances in PET Image Reconstruction” (Montreal, Canada, January 2010).
 2. G.B. Pike, *Magnetization transfer imaging of the healthy and diseased brain*, McConnell Brain Imaging Seminar Series, March 01, 2010.
 3. S. Devic, *Uptake volume histograms: A novel venue towards biological target volumes*, International Conference on Radiation Medicine: Clinical Applications & Innovative Approaches, KFSH&RC, Riyadh, Saudi Arabia, March 01-04, 2010.
 4. S. Devic, *Output calibration of radiobiological experiments using EBT films*, International Conference on Radiation Medicine: Clinical Applications & Innovative Approaches, KFSH&RC, Riyadh, Saudi Arabia, March 01-04, 2010.
 5. S. Devic, *Image guided brachytherapy*, Continuing Education Courses, International Conference on Radiation Medicine: Clinical Applications & Innovative Approaches, KFSH&RC, Riyadh, Saudi Arabia, March 01-04, 2010.
 6. S. Devic, *Gafchromic film dosimetry in diagnostic radiology*, IAEA Course TRS 457: Joint KFSHRC/IAEA Advanced School on Dosimetry in Diagnostic Radiology & its Clinical Implementation, KFSH&RC, Riyadh, Saudi Arabia, February 28-March 04, 2010.
 7. G.B. Pike, *Global cerebral oxidative metabolism during hypercapnia and hypocapnia in humans: Implications for BOLD fMRI*, Quantitative Neuroscience with Magnetic Resonance (CNMR) Symposium, Yale University, March 15, 2010.
 8. S. Devic, *Designing the optimal brachytherapy suite*, Physics Panel, American Brachytherapy Society 2010 Annual Meeting, Atlanta, Georgia, April 29-May 01, 2010.
 9. A. Reader, Université de Sherbrooke “Advances in PET Image Reconstruction” (May 2010).

10. I. El Naqa, *Variational methods for image-guided adaptive radiotherapy*, IEEE Southwest Symposium on Image Analysis & Interpretation, Austin, Texas, June 2010.
11. I. El Naqa, *Machine learning as new tool for predicting radiotherapy response*, Symposium on Applications of Machine Learning in Radiotherapy, American Association of Physicists in Medicine, Philadelphia, Pennsylvania, July 2010.
12. F. DeBlois, *RapidArc: Clinical applications*, Varian Luncheon Symposium, CARO 2010 Annual Meeting, Vancouver, British Columbia, September 23, 2010.
13. G.B. Pike, *The basics of magnetic resonance imaging*, McConnell Brain Imaging Series, October 4, 2010.
14. I. El Naqa, *Topics in nuclear medicine*, King Hussein Cancer Centre (ISEP/AAPM sponsorship), Amman, Jordan, October 07-11, 2010.
15. G.B. Pike, *Magnetization transfer in MS*, Montreal Neurological Institute, 3rd Denis Melançon Neuroradiology Lecture, October 28, 2010.
16. J. Seuntjens, *Dosimetry challenges associated with new technology*, Round Table speaker, International Atomic Energy Agency (IAEA), Vienna, Austria, November 10, 2010.
17. S. Lehnert, ICRB-NISRRO workshop. Indira Gandhi Center for Atomic research, Kalpakkam, India. "Treatment of orthotopic rat glioma model with implant of halogenated pyrimidines plus biomodulator drugs", November 2010.
18. S. Lehnert, Keynote speaker: Indian Congress of Radiation Biology. "Sensitization to Radiation from an Implanted 125I source by sustained intra-tumoral release of Chemotherapeutic Drugs: Increased sensitization associated with low dose rate." November 2010.
19. G.B. Pike, *Water, water, everywhere: A tale of MRI and myelin*, University of Calgary, December 17, 2010.
20. H.J. Patrocinio, Problems, Complications and Cautions in IMRT 3a Jornada de Radioterapia, Barretos, Brazil. 2010.
21. H.J. Patrocinio, McGill IMRT Practice for Head and Neck Cancer 3a Jornada de Radioterapia, Barretos, Brazil. 2010.
22. H.J. Patrocinio, McGill Radiosurgery Practice for Brain Malignancies 3a Jornada de Radioterapia, Barretos, Brazil. 2010.