D.W.O. Rogers
Distinguished Research Professor
retired Canada Research Chair in Medical Physics
Physics Department, Carleton University
Ottawa K1S 5B6
Born in Toronto, married, 4 children

Education:

BSc(1968), MSc(1969), PhD (1972), all University of Toronto.
PhD Thesis: "The Nuclear Structure of ^{19}F"; Supervisor: A.E. Litherland.

Work Experience:

2015–: Distinguished Research Professor, Carleton University
2003–14: Professor/Canada Research Chair in Medical Physics, Carleton University.
1984–2003: Head of 14–20 person Ionizing Radiation Standards Group at NRC.
1979–84: Coordinator of the Radiation Dosimetry Group of NRC.
1979: Seconded for 6 months to the NRC Renewable Energy Project as an energy analyst.
1973–79: Research officer at NRC working on neutron dosimetry.
1972–73: PDF at the Oxford Nuclear Physics Lab working on structure of light nuclei.

Related Professional Activities:

2023–2024: Member of AAPM's Ad Hoc Advisory Committee on Journal Vision.
2020–: Member AAPM's TG 351 - Clinical reference dosimetry in MR-guided radiotherapy.
2019–2021: Member of AAPM's Journals Business Management Committee
2016–: Member of the Commission of the International Commission on Units and Measurements (ICRU, http://icru.org)
2014–2019: Member of AAPM's Awards and Honors Committee.
2014–2018: Co-chair of AAPM's TG on Guidelines for Publication of Monte Carlo Studies.
2012–2014: Member: AAPM's TG on Monte Carlo Reference Data for Imaging Research.
2009-2011: Member of NSERC's Physics Evaluation Group, peer reviewed grants.
2009–2011: Member of the AAPM's Science Council.
2008–2009: Co-director of AAPM's 2009 Summer School. Edited associated 1112 page book.
2006–2014: Member of International Advisory Board of Physics in Medicine and Biology
2006–2012: Member of AAPM's Working Group on "Review and Extension of beam quality conversion factors for TG-51 Protocol".
2005–2010: Founding Chair of the COMP Gold Medal Committee.
2005–2013: Deputy Editor of the journal Medical Physics (one of two)
2003–2007: Member, AAPM's Task Group on Monte Carlo Treatment Planning.
2002–2007: Member, AAPM's Journal Business Management Committee
1999–2001: AAPM Board of Directors,
1995–1999: Member, Atomic Energy Control Board's Advisory Cttee on Rad'n Protection.
1994 –1996 Founding chair, Canadian Organization of Medical Physicist's Awards Cttee.
1991–93: Member of AAPM's TG–39 on the Calibration of Parallel Plate Ion Chambers.
1990–1999: Member of AAPM's TG-51 on developing a new radiation dosimetry protocol.
1988–1997: Member of AAPM's Radiation Therapy Committee.
1987–2003: Canadian representative on the Comité Consultatif pour les Étalons de Mesure des Rayonnements Ionisants (Section I, Rayons X et γ, électrons) of the BIPM.
1987–2014: Associate Editor of Medical Physics, the official journal of the AAPM.
1987: Co-director of 10 day course on *"Monte Carlo Transport of Electrons and Photons Below 50 MeV"* held at the Ettore Majorana Centre for Scientific Culture in Erice, Italy.
1968–70: Chair of Canadian Concerned Scientists, a staff-student organization at the U of T to promote the socially beneficial use of science in society.

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Publications:
About 160 refereed journal papers, 9 full papers and 30 extended abstracts in conference proceedings, 15 book chapters, edited two books, 100 formal internal reports. h=70, more than 28,000 citations on Google Scholar.

Research Interests:
Radiation dosimetry and protocols, treatment planning for external beam and brachytherapy radiotherapy, Monte Carlo methods for simulation of electron and photon transport .

Awards/Honours:
2014: Failla Award of the Radiological and Medical Physics Society of New York (RAMPS) for distinguished lifetime achievement in medical physics.
2013: Selected by International Organization of Medical Physicists as one of "50 Outstanding Medical Physicists: 1963-2013" as part of their 50-th anniversary celebration.
2013: Elected Fellow of the Royal Society of Canada
2012 Awarded the **Gold Medal** of the Canadian Organization of Medical Physicists, COMP's 'highest award' which recognizes a member 'who has had an outstanding career and has made a significant contribution to the field of medical physics in Canada.'
2011 Carleton University Graduate Mentoring Award for 'outstanding contributions to the supervision and research mentoring of graduate students'
2011 Carleton University **Research Achievement Award**.
2010 Awarded the **William D Coolidge Gold Medal** of the 7000 member AAPM. "The AAPM's highest honor is presented to a member who has exhibited a distinguished career in medical physics, and who has exerted a significant impact on the practice of medical physics."
2009 **Lifetime Achievement Award**: Upstate New York Assoc. of Physicists in Medicine
2009 **Awarded a plaque at MCTP2009** "in recognition of his outstanding contributions on Monte Carlo simulation in Medical Physics".
1991, 1999, 2003, 2007, 2011 **Farrington–Daniels Award** of AAPM for authoring the "best article on radiation dosimetry" in the journal Medical Physics during previous year.
2001 **FPTT Team Award** for technology transfer from the federal government (Federal Partners in Technology Transfer) for work on licensing VMC++ to MDS Nordion.
1997, elected **Fellow of the AAPM** "in recognition of distinguished contributions to the field of Medical Physics".
1994 **NRC "Outstanding Achievement Award"** for work with the EGS4 code.
1994 **Landauer Memorial Lectureship** awarded by Bay area chapters of Health Physics Society and AAPM. "for distinguished contribution to field of Radiological Physics"
1989 CAP's **Sylvia Fedoruk Prize** in Medical Physics awarded for co-authoring the "best" Canadian paper in the field of medical physics in 1988 (honourable mention 1992/93/98/99).

Grants Held:
CRC grant, 2003–10 & 2010-17, $1.4M each. CFI/OIT grant $328K, NSERC DG Grants, 2014-2019, $36K/y, 2009-13, $69K/y, 2004-08, $32K/y. Carleton U internal grant, 2007: $50K. Three NSERC grants (totalling $102K), 1986–1994; Co-PI on 2 NIH grants ($800K to NRC) on Monte Carlo Treatment Planning (1990-96); PI on NIH grant ($534K) re clinical dosimetry (1996–00); co-investigator on NIH brachytherapy grant ($250K to NRC, 1997–01).

Teaching:
Organized and lectured at 28 Monte Carlo courses on EGS4, EGSnrc, BEAM. I have taught Radiotherapy Physics grad course 11 times and 1st year E&M for engineers 5 times. I have supervised: 13 PhD and 6 MSc theses; 17 PDFs/RAs; 11 foreign visitors to my lab for 3 months or more.