

2016 IEEE Photonics Society Quantum Electronics Award David Villeneuve, National Research Council of Canada

The Quantum Electronics Award is given to honor an individual (or group of individuals) for outstanding technical contributions to quantum electronics, either in fundamentals or application or both. The Award may be for a single contribution or for a distinguished series of contributions over a long period of time.

The 2016 Quantum Electronics Award will be presented to Dr. David Villeneuve, “for seminal contributions to the development of attosecond science and its application to atomic and molecular spectroscopy.” The presentation will take place during the Awards Ceremony being held at the 2016 IEEE Photonics Conference, at the Hilton Waikoloa Village, Waikoloa, Hawaii, USA, on October 3, 2016.



David Villeneuve obtained a PhD in physics from the University of Waterloo in 1980. After a post-doc at the University of Rochester, he joined the National Research Council in Ottawa. He is currently head of the Attosecond Science Group at NRC, and the NRC head of the Joint Attosecond Science Laboratory (JASLab), a joint undertaking between NRC and the University of Ottawa. He has over 190 publications in refereed journals, is an adjunct professor of physics at the University of Ottawa, and is a Fellow of the Royal Society of Canada, of the American Physical Society and of the Optical Society of America. His interests include the generation of attosecond-duration pulses, soft x-ray coherent imaging, high harmonic spectroscopy, and the study of atoms and molecules in intense laser fields.