Michael Kozluk
Harold A. Smith Outstanding Contribution Award

Mr. Michael J. Kozluk has made an outstanding contribution to the understanding of the structural integrity of CANDU pressure vessels and piping. A respected authority in the areas of fracture mechanics, leak-before-break methodology, and "pipe whip" and "jet impingement" assessment of high-energy piping systems, Mr. Kozluk has enabled the Canadian nuclear industry to establish sound major component structural integrity and life cycle management programs.

After graduating from the University of Waterloo in 1978 with an MEng in mechanical engineering, Mr. Kozluk joined Ontario Hydro as a stress analyst. His career progressed through numerous reorganizations at OPG and Kinectrics, until 2002 when he joined AECL. He retired from AECL in 2009 as a principal engineer in the Component Integrity Branch, and has been consulting to the industry since then.

Mr. Kozluk played a leadership role in developing fitness-for-service guidelines for CANDU steam generators tubes and feeders. He also played a key role in developing standard industry and regulatory tools for Large Break Loss-of-Coolant Accident (LBLOCA) analysis. For most of his career, Mr. Kozluk was the "go-to" person for driving the resolution of emergent issues affecting much of the primary pressure boundary in CANDU reactors. His contributions provided a pragmatic and technically sound approach to address some of the most complex safety issues faced by the Canadian nuclear industry.

The high level of credibility that Mr. Kozluk developed over the years reflects his relentless engineering rigour, combined with a positive attitude and willingness to communicate broadly about his approach to engineering. Not least in importance, he has continued throughout his career to be a mentor and role model to young engineers.

Mr. Michael J. Kozluk is being presented with the Harold A. Smith Outstanding Contribution Award for extensive contributions to the understanding of the structural integrity of CANDU major components, including the development of fitness-for-service guidelines.