

OTTAWA HIGH SCHOOL HALL OF FAME

2010



DR. ED MORSE
Class of 1973



Dr. Morse completed his high school academic requirements in three years, moving on to the University of Illinois obtaining his Bachelor of Science degree in Electrical Engineering in 1975, and his Ph.D. in Nuclear Engineering in 1979. While still in graduate school he received a faculty position at the University of California at Berkeley in 1978, where he continues to teach to this day. He is engaged in teaching and research in the fields of nuclear fusion, applied nuclear physics, and homeland security issues. He has authored approximately one hundred research papers in nuclear physics, plasmas physics, and accelerators. Among his fields of specialization, areas of interest, and research are fusion reactor design and applied plasma physics, experimental studies of compact toroids, a spectral method for magnetohydrodynamic stability, and rotating target neutron source. In high school he received the Outstanding Student award for Industrial Arts, won the school-wide mathematics contest, was a finalist in the National Congress of the Teachers of English Composition Contest, and competed on the swim and cross country teams. At the University of Illinois he graduated as the Outstanding Senior in the class and was named a Bronze Tablet Scholar. Among his professional accomplishments he has served as a consultant to the Lawrence Livermore National Laboratory, as a reviewer for the Department of Energy and the National Science Foundation, and has been named Principal Investigator by the National Science Foundation for a long term program called DoNuTS (Domestic Nuclear Threat Security).