



## Alexander McLean

Following graduation with degrees in Applied Chemistry and Metallurgy from the Royal College of Science and Technology and the University of Glasgow, Dr. McLean spent five years at McMaster University before moving to Jones and Laughlin Steel Corporation in Pittsburgh. He joined the University of Toronto in 1970 and in 1984 the Ferrous Metallurgy Research Group was formed with Professor McLean as Director. He served as the American Iron and Steel Institute Distinguished Professor from 1982 through 1986 and as Department Chair from 1992 through 1997. He is a Senior Fellow of the Tenaris University Industrial School in Argentina, an Adjunct Professor at Ryerson University in

Toronto and from 1998 through 2011 held the title of "Invited Professor" at Kyoto University. He holds Honorary Doctorates from the University of Miskolc and the University of Strathclyde. In 2002 he was awarded a lifetime appointment by the University of Toronto as Professor Emeritus.

With over four hundred and fifty publications and six books Professor McLean is recognized for his substantial contributions to the physical chemistry of steelmaking. Other research activities have included the chemistry of oxide melts, plasma processing, sensor development, novel continuous casting studies and materials for lithium-ion batteries. He is a Fellow of the Royal Society of Canada, the Canadian Academy of Engineering, and the Canadian Institute of Mining, Metallurgy and Petroleum (CIM). In 2013 he received the Queen Elizabeth II Diamond Jubilee Medal in recognition of sustained contributions to scholarship in Canada. In the same year he was the inaugural recipient of the Distinguished Materials Scientist Award from MetSoc-CIM and was elected a Distinguished Life Member of Alpha Sigma Mu, the International Professional Honor Society for Materials Science and Engineering. He served as President of the Iron and Steel Society of AIME in 1985 and was also a member of the AIME Board from 1984 through 1987. In 1998 the Iron and Steel Society of AIME organized the McLean Symposium in Toronto with invited papers by international experts on topics which reflected Professor McLean's career. He is A Distinguished Life Member of Alpha Sigma MU, Fellow of ASM, a Distinguished Member and Fellow of the Association of Iron and Steel Technology, and is an Honorary Member of AIME, the Iron and Steel Institute of Japan and the Hungarian Mining and Metallurgical Society.