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C.V.

Date of Birth: January 2, 1959

Dr. of Agriculture, Institute of Applied Zoology, Faculty of Agriculture
Hokkaido University, 30 September 1987.

Research Associate, National Institute of Polar Research, 1987-1993

Instructor, Laboratory of Applied Zoology, Faculty of Agriculture,
Hokkaido University, 1993-1997

Associate Professor, Faculty of Agriculture, Hokkaido University, 1997-
2003

Associate Professor, Graduate School of Fisheries Sciences, Hokkaido
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Seminar

Title : Living in the under water world: new technology gives us
an understanding of ecology and physiology of diving animals.

Summary : To feed on fish, breath hold divers such as marine mammals and birds have to descend to deep water against buoyancy and drag by using the limited oxygen store for stroking wings or fins and heating their body. How do they dive and feed efficiently has long been a question in physiology and behavioral ecology. Many laboratory works have shown their high ability for sparing oxygen while submersion in the water tanks. Recently, a development of micro-computer technology enables us to study their underwater life in the wild.