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**Curriculum Vitae for Niels J. Bjerrum**

**Name:**  Niels Janniksen Bjerrum

**Date and place of birth:** Oct. 6. 1940, Copenhagen

**Title:** Professor dr. techn.

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2012- Professor at DTU Energy Conversion

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| 2012  2010-13 | Head of Section at DTU Energy Conversion  Head of Danish-Chinese Center for Intermediate Temperature Proton Conducting Systems (PROCON). |
| 2007-11  1999 - | Head of Center for Renewable Hydrogen Cycling.  Chairman for the Society of Professors at DTU |
| 1998-12 | Professor in Inorganic Materials Science at Department of Chemistry, Technical University of Denmark. |
| 1996 | Received The 1996 Max Bredig Award in Molten Salt Chemistry in Los Angeles, California. |
| 1995-  1994 | Foreign Member of The Norwegian Academy of Technological Sciences.  Cofounder of Danish Power Systems (Director 1994 – 2003) |
| 1994 | Awarded The Højgaard & Schultz Jubilee Prize. |
| 1992-93 | Accepted for Professorship in Inorganic Chemistry, University of Odense, Denmark. |
| 1992 | Foreign Member of The Ukrainian Academy of Sciences. |
| 1991- | Chairman of the Board of Ellen and Niels Bjerrum Prize in Chemistry |
| 1989-98 | Reader ("Docent"), Chemistry Dept. A, Technical University of Denmark |
| 1988 | Adjudged qualified as a Professor in Chemistry, University of Odense, Denmark. |
| 1984 | Adjudged qualified as Professor in Inorganic Chemistry, DTU |
| 1982- | Founder and Secretary of the Danish Academy of Natural Sciences ("Danmarks Naturvidenskabelige Akademi"). |
| 1982 | Doctor of Science (Dr. techn.), Technical University of Denmark. Thesis entitled "The Chalcogens in Chloroaluminate Melts". |
| 1979 | Awarded the Ellen and Niels Bjerrum Prize in Chemistry |
| 1976 | Awarded Honorary Prize of the Ole Rømer Foundation. |
| 1971-89 | Associate Professor ("Lektor"), Chemistry Dept. A, Technical University of Denmark. |
| 1967 | Postdoctoral appointment, Oak Ridge National Laboratory, USA. |
| 1966-71 | Assistant Professor (Amanuensis), Chemistry Dept. A, DTU |
| 1964-66 | Postdoctoral appointment, Oak Ridge National Laboratory, USA. |
| 1964 | Master of Science (Mag. scient.) in chemistry, Copenhagen University. |
| 1961-62 | Exchange Scholarship study at University of Lund, Sweden. |
| 1958 | Undergraduate at University of Copenhagen. |
| 1940 | Born October 6th in Copenhagen, Denmark. |

**Academic Career.**

Over a number of years Niels J. Bjerrum has built up a research group active in the fields of inorganic chemistry, electrochemistry, molten salt chemistry, catalysis, energy and materials chemistry. It is today internationally acknowledged; for example, more than 70 scientists from abroad have over an extended period carried out research within the group.

N. J. Bjerrums combined list of publications, patents and special lecture presentations involves more than 600 items, including more than 200 publications in major critically reviewed international journals with more than 5000 citations and a h-index of 36 (Web of Science).

Niels J. Bjerrum has been the senior advisor for 38 completed ph.d. studies. A further 4 ph.d. studies are at present in progress. N.J. Bjerrum has twice been the chairman of a major international conference.

N. J. Bjerrum has frequently (21 times in all) acted as the official opponent of ph.d., dr.ing., fil.dr. and dr. techn. theses; also, on 15 occasions he has been chosen to be an expert judge on the board for the appointment of a professor, particularly at the Norwegian University of Science and Technology and DTU.

N. J. Bjerrum has taught at all levels at DTU.

**Industrial and Technical Work.**

N. J. Bjerrums research activity has resulted in many invitations to take part in international cooperation and for example the EU have funded 16 of these projects, 8 of them with him as the coordinator. In addition he has taken part in more than 80 Danish collaborative projects involving many of the larger Danish companies such as Danfoss A/S, DONG Energy A/S, Grundfos A/S and Haldor Topsøe A/S.

N. J. Bjerrum has been named as an inventor in 19 patent applications. 6 of these have resulted in the granting of international patents.