

Summary CV of Felix M. Gradstein



From 1972 – 1974, I worked as micropaleontologist/stratigrapher for Esso Canada in Calgary on Grand Banks petroleum exploration. In 1974, we moved to Nova Scotia, where I worked for 21 years as senior stratigrapher/marine geologist with the Geological Survey of Canada on the micropaleontology, stratigraphy and depositional history, offshore Canada and circum Atlantic basins. As Adjunct Professor at Dalhousie University in Halifax, NS, many PhD students also took part.

During that time (and continuing) I advised many international companies and organisations on stratigraphy, petroleum geology and the geologic time scale.

From 1995 until 2000, I was senior stratigrapher with Saga Petroleum in Norway, dealing with biostratigraphy, paleobathymetry and basin analysis.

In 2001 I became Professor II in Stratigraphy/Micropaleontology at the Natural History Museum (NHM) of the University of Oslo, where I direct and manage (with Oyvind Hammer) the NORLEX consortium project funded by all (50+) oil and gas companies operating in Norway (www.nhm2.uio.no/norlex). This project presents and updates the formal subsurface stratigraphy, offshore Norway. I am also co-leader of the consortium for stratigraphic and geochemical study of the unique Novaya Zemlya rock collection at NHM (www.nhm2.uio.no/novazem).

In 2004 I co-founded the Geologic Time Scale Foundation in USA and am the current chair, specializing in Time Scale Creator software and geologic time scale development and publication.

I am visiting fellow at the Earth Science Department of Portsmouth University, UK

From 2014 to 2017 I am visiting Professor at the micropaleontology/stratigraphy Institute (ITT Fossil) of Unisinos, Sao Leopoldo, Brasil.

Research interests and subjects include:

- theory and methods of quantitative stratigraphy, and its applications;
 - theory and construction of the standard Geologic Time Scale,
 - stratigraphy, paleobathymetry and subsidence history
- foraminifers in Mesozoic/Cenozoic strata
(one taxon is named after me, i.e. *Psamminopelta gradsteini*)

I have supervised/co-supervised over 25 PhD and Master Degree students in stratigraphy and micropaleontology.

Since 1970, I have authored or co-authored over 160 scientific publications (including 15 books) in the fields of the geologic timescale, quantitative stratigraphic methods, stratigraphy and sedimentology of petroleum basins, plate tectonics and paleoceanography, and deep-water micropaleontology.

In 1983, I received the honorary literature citation from the Canadian Society for Petroleum Geology for micropaleontology-paleoceanography studies, offshore E.Canada.

As co-chief scientist in 1980 on Deep Sea Drilling Project Leg 76 we discovered the age of the Atlantic Ocean (~ 165 Ma).

From 1985 - 1989, I was chairman of IGCP Project 181 on Quantitative Stratigraphy, and from 1989 - 1993 chairman of the ICS-IUGS committee on the same.

From 2000 – 2008, I was chair of the International Commission on Stratigraphy (ICS). Under my leadership ICS has become very active and visible. A majority of Phanerozoic Stages were formalized, and the comprehensive international standard time scale published (= GTS2004).

In 2006, the 'Ansari Best Reference Work Award 2006 of the International Geoscience Information Society' was awarded for the book 'A Geologic Time Scale 2004' by Gradstein, Ogg *et al.*, 2004, Cambridge University Press.

In 2007, the Best Book Award of the Romanian Academy of Sciences was given for 'Atlas of Cosmopolitan Paleogene Agglutinated Foraminifera' by Kaminski & Gradstein, 2005.

In 2008, I received the International Gryzbowski Award, for dedicated service to the profession and excellence in the field of Micropaleontology.

In 2010, I was awarded the Jean Baptiste Lamarck Medal from the European Geosciences Union for outstanding achievements in the field of Stratigraphy.

In 2012, I received two Scientific and Organisational (Outstanding Team Projects) Awards from the Government of Canada.

In 2013, the study 'The Geologic Time Scale 2012', by Gradstein, Ogg, Schmitz and Ogg et al., received a PROSE 2012 AWARD from the American Association of Publishers.

Over the years, I have lectured extensively in many countries on a variety of geo-fields. In 1981, I started with colleagues in US and Europe a five days shortcourse on 'Recent Developments in Quantitative and Sequence Stratigraphy for Basin Analysis". This course has been given more than 35 times, worldwide.

Some of my most rewarding scientific activities, with many expert colleagues are on the Geologic Time Scale and in Quantitative Stratigraphy.