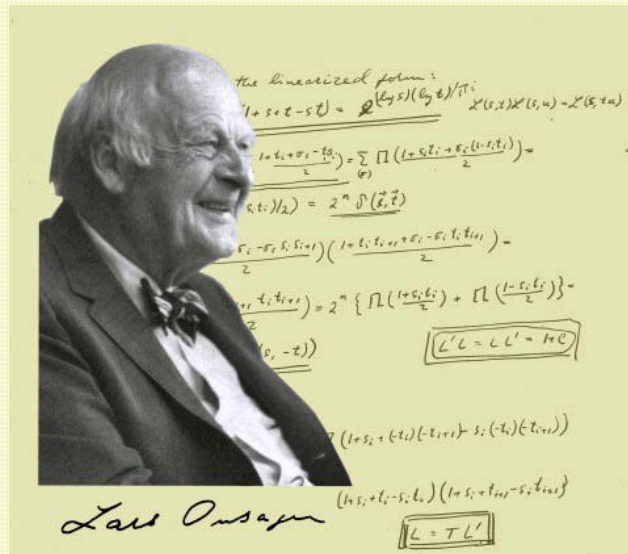


THE LARS ONSAGER PROFESSORSHIP 2008



PHILADELPHIAN PROFESSOR WINS HIGHLY ESTEEMED INTERNATIONAL PRIZE FOR EXCELLENCE IN SCIENCE

The Norwegian University of Science and Technology has decided to award the 2008 Lars Onsager professorship to:

Peter S. Riseborough

Professor in theoretical physics at Temple University, Philadelphia, USA.

"on the basis of his important contributions to quantum statistical field theory in the context of condensed-matter phenomena."

"His theoretical work has centered round how the effect of strong Coulomb correlations lead to long-lived and extended regions of magnetic ordering in magnetically disordered materials. Riseborough has shown how these magnetic fluctuations can lead to an increase in the heavy mass of the electrons, and how Onsager's theory of the oscillatory magnetizations in metals is altered by these magnetic fluctuations. He has also shown how the exchange of magnetic fluctuations can lead to superconducting pairing."

"His work has been particularly important for today's science in condensed-matters physics and strongly correlated electron systems." says the Chair of the Onsager Committee at NTNU, Norway, Professor Dr. Helge Holden.

Professor Riseborough will attend the professorship at the Department of Physics at NTNU, Trondheim, Norway from June 15 until November 30.

- "We are thrilled to have Dr. Riseborough here," says his host for the stay at NTNU, Professor Dr. Steinar Raaen, "and we really look forward to cooperating with him as this year's Onsager Professor."

- "Having Dr. Riseborough in the team also means that we will be able to discuss our experimental findings thoroughly against his theoretical work."

- "During his stay at NTNU we will do new experiments on magnetic rare earth elements (*like holmium and cerium*) to get a better understanding of their intermetallic compounds and surface properties" says Professor Raaen.

In September Dr. Riseborough will be invited to participate in the Fred Kavli symposium at NTNU, which among other scientist includes several Nobel-prize Laureates and Dr. Kavli himself.



Professor Riseborough (right) is welcomed at his office at NTNU by his host Professor Steinar Raaen

ON THE LARS ONSAGER PROFESSORSHIP AND THE LARS ONSAGER LECTURE.

The Lars Onsager Professorship and The Lars Onsager Lecture is an international award in memory of Nobel Prize Laureate Dr. Lars Onsager. They are awarded on the basis of excellence in science in chemistry, physics or mathematics.

Lars Onsager started his scientific career studying civil engineering at NTH (from 1996 NTNU) in Trondheim, where he also started on the works that he later was awarded The Noble Prize in Chemistry for. After Lars Onsager's death his sons and daughter donated his scientific works and professional belongings to NTH as his Alma Mater.

They felt confident that NTH was the best institution to take good care of his reputation. Acting on this confidence, NTH in 1993 established the Lars Onsager Lecture and the Lars Onsager Professorship, which are awarded internationally outstanding scientists. The award winners are appointed annually by an international committee led by Professor Dr. Helge Holden at the Department of Mathematical Sciences at NTNU.

The Lars Onsager Professorship consists of a 3-6 months research stay at NTNU as a visiting professor and the Onsager Medal.

Previous recipients of the Onsager Professorship include John R Klauder (2006), Alexander Volberg (2005) and John S. Newman (2003).

The Lars Onsager Lecture consists of a publicly announced lecture by a scientist of the highest international reputation. The Lars Onsager Lecturer also receives the Onsager Medal.

Previous Onsager lecturers include Robert B. Laughlin (2007), Vaughan Jones (2000) and H.N.W. Lekkerkerker (1999).

ON THE ONSAGER ARCHIVES:

The archives from Lars Onsager are organized as a separate archive at NTNU's scientific library - The Onsager Archives - which are open to anyone interested in Lars Onsager's work.

Lars Onsager's Nobel Prize Diploma as well as the Diploma for the National Medal of Science from the US President, his desk and other items is on display in the Lerchendal Manor where NTNU holds official receptions.

FOR MORE INFORMATION

On the Onsager Professorship, the Onsager lecturer and earlier recipients, please see the Onsager awards homepage:

<http://www.math.ntnu.no/onsager/>

On the Lars Onsager Archives, please see:

<http://www.ub.ntnu.no/formidl/hist/tekhist/tek5/eindex.htm>

On Lars Onsager and his science, please see

<http://www.ub.ntnu.no/formidl/hist/tekhist/tek5/bibnote.htm>

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