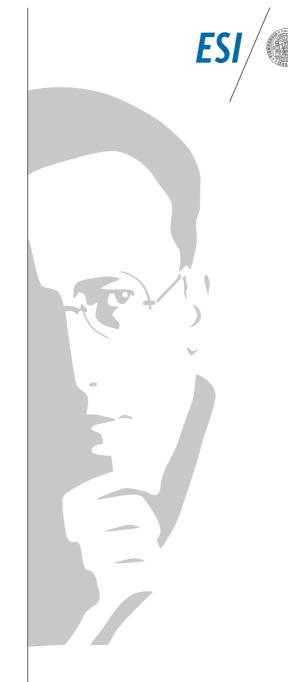
ESI MEDAL 2021 · AWARD CEREMONY



NOVEMBER 5, 2021 AT THE ESI, BOLTZMANN LECTURE HALL

universität wien





Erwin Schrödinger International Institute for Mathematics and Physics

Boltzmanngasse 9 1090 Vienna / Austria

ESI Medal 2021

Award Ceremony on November 5, 2021 at the ESI, Boltzmann Lecture Hall

The Medal of the Erwin Schrödinger International Institute for Mathematics and Physics, or ESI Medal, awarded in 2020 for the first time, has been created to recognize outstanding achievements in any area of mathematics or physics, including contributions at the interface of the two fields

Prof. Elliott Lieb, Princeton University, is honoured for his deep and groundbreaking mathematical analysis of fundamental problems and models of many-body physics, foremost his works of recent years, which continue to be outstanding and inspiring to a new generation of mathematical physicists. Two highlights in the realm of Coulomb systems are a mathematically rigorous justification of the Local Density Approximation in Density Functional Theory, and a proof of the equivalence in the thermodynamic limit of three different definitions of the minimum energy of a homogeneous electron gas (joint work with M. Lewin and R. Seiringer).

14:00 Welcome

Prof. Christoph Dellago ESI Director, University of Vienna

14:15 Recent (mathematical) results on Density Functional Theory

Prof. Robert Seiringer IST Austria

15:00 On the Wehrl entropy

Prof. Jan Philip Solovej University of Copenhagen

15:45 Break

16:15 Laudatio

Prof. Jakob Yngvason University of Vienna

16:45 Award—ESI Medal

17:00 Award Lecture

Prof. Elliott Lieb
Princeton University

17:45 Closing

Prof. Christoph Dellago ESI Director, University of Vienna