

ESI MEDAL 2021 · AWARD CEREMONY



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NOVEMBER 5, 2021
AT THE ESI, BOLTZMANN LECTURE HALL



Erwin Schrödinger International Institute
for Mathematics and Physics

Boltzmannngasse 9
1090 Vienna / Austria
www.esi.ac.at

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