

News Release

Garching, 27 December 2010

American Physical Society honors TUM-Professor: Prof. Herbert Spohn awarded Dannie Heineman Prize for Mathematical Physics 2011

The American Physical Society and the American Institute of Physics honor the outstanding scientific achievements of Herbert Spohn, Professor for Applied Probability Theory / Statistical Physics at TUM, with the Dannie Heineman Prize for Mathematical Physics 2011. The award acknowledges in particular his seminal contributions to nonequilibrium statistical mechanics as exemplified by his exact solutions of growth models and stationary states of open systems.

He was awarded the prize „for his seminal contributions to nonequilibrium statistical mechanics as exemplified by his exact solutions of growth models and stationary states of open systems. Combining mathematical rigor with physical insight his work elucidates the transition from microscopic to macroscopic behavior.“ Herbert Spohn is most widely known through his work on interacting stochastic particle systems, in particular driven lattice gases, and his study of universal probability distributions for growth processes as connected to line ensembles and random matrix theory. He strived for a deeper understanding of how macroscopic laws emerge from the underlying motion of atoms.

The Dannie Heineman Prize for Mathematical Physics is an award given each year since 1959 jointly by the American Physical Society and the American Institute of Physics. It is established by the Heineman Foundation in honour of Dannie Heineman.

Links:

<http://www.aps.org/programs/honors/prizes/heineman.cfm>
<http://www.aps.org/programs/honors/prizes/heineman-bio.cfm>
<http://www.heinemanfoundation.org/>
<http://www.ph.tum.de/aktuelles/2010/024>

Free Picture:

can be obtained from the Corporate Communications Center

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Technische Universitaet Muenchen (TUM) is one of Europe's leading universities. It has roughly 420 professors, 7,500 academic and non-academic staff (including those at the university hospital "Rechts der Isar"), and 26,000 students. It focuses on the engineering sciences, natural sciences, life sciences, medicine, and economic sciences. After winning numerous awards, it was selected as an "Elite University" in 2006 by the Science Council (Wissenschaftsrat) and the German Research Foundation (DFG). The university's global network includes an outpost in Singapore. TUM is dedicated to the ideal of a top-level research based entrepreneurial university. <http://www.tum.de>

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