

**LAUDATIO**  
**on the occasion of awarding the Honorary Doctorate**  
**of the University of Maribor**  
**to**  
**Professor Siegfried Großmann**  
**from the University of Marburg, Germany**  
**by**  
**Professor Nataša Vaupotič, dean of the Faculty of Natural Sciences and**  
**Mathematics**

Your Excellency, Rector Professor Danijel Rebolj, respected and distinguished guests! It is my great honour to be able to present to you our honourable guest, professor Siegfried Großmann.

Professor Siegfried Grossmann was born on 28 February 1930 in Quednau near Königsberg in East Prussia (now Kaliningrad in Russia). After finishing Lyceum in Berlin in 1948, he was a student at the Faculty of Education and then continued the studies at the Freie Universität Berlin where he graduated in 1955. From 1956 till 1958 he was teaching at the Lyceum. In 1959 he became a researcher at FU Berlin. He defended his PhD thesis in 1960. The topic of the thesis was “The inelastic scattering of hydrogen molecules”, his adviser was Professor Günther Ludwig. In 1962 he habilitated at the FU Berlin with the topic »Quantum mechanical transport equations«. In 1963 he was a scientific fellow at the Technical University in Munich, in 1964 he became an associated professor for Mathematical Physics at the University of Marburg, in 1966 personal full professor of the theoretical Physics and in 1968 full professor. During his academic career at the University of Marburg he received several invitations for full professorships or directorships from eminent universities and institutes, such as Stuttgart, Ulm, Heidelberg, Göttingen, Erlangen, HMI Berlin, MPI Dresden, however he remained faithful to the University of Marburg until his retirement in 1998.

Today, with his respectful age of 81 years, Professor Siegfried Großmann is still scientifically very active. In collaboration with his co-workers in Germany and around the world he publishes several research papers per year in high ranked journals.

Professor Siegfried Großmann is one of the greatest theoretical physicists of the 20th and the 21st centuries. He has contributed to the development of the amazing

spectrum of fields: nonlinear and chaotic dynamics of complex systems, statistical physics, real gases and fluids, transport theory, phase transitions, nonequilibrium statistics, formation of structures far from the equilibrium, hydrodynamics, thermal convection, turbulence, stochastic processes, laser theory, some special chapters in mathematical physics and functional analysis. He has published 274 original scientific papers, 3 books and several other important publications.

What is most important to us, is his endeavour over the past 20 years to support the research in the field of Physics at the University of Maribor. He has been and still is a great friend of our university who uses every opportunity to be our ambassador around the world in order to increase the recognition of the University of Maribor and Physics at the University of Maribor. In the second laudatory Professor Marko Robnik, the director of CAMTP, will present the collaboration between Professor Siegfried Grossmann and our university in more detail.

I would like to end by expressing our great joy that Professor Siegfried Grossmann will be awarded the Honorary Doctorate of the University of Maribor. With this we are trying to express our deepest gratitude for your support and I am sure it will additionally strengthen the partnership between the universities of Maribor and Marburg, especially in the field of Physics.

Formally, respected Rector of the University of Maribor, Professor Danijel Rebolj, I propose that you award Professor Siegfried Grossmann the title Honorary Doctor of the University of Maribor, based on the decision of the Senate of the University of Maribor, taken on 29 November 2011, extending to him also all the liberties connected with this title.

Maribor, 8 Dec. 2011