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INSTITUTE FOR INTERNAL COMBUSTION ENGINES AND THERMODYNAMICS

GRAZ UNIVERSITY OF TECHNOLOGY

<http://vkm-thd.tugraz.at>

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Dipl.-Ing. Dr. techn. Bernhard HEIDEN

Dr. Bernhard Heiden worked in the section Traffic & Environment at the Institute for 4 years. He scrutinized the behaviour of nano-particles in the atmosphere. The importance of these particles, ranging from a few nanometers up to 1 μ -meter, has to be regarded relevant to the human health. Such small particles are emitted from internal combustion engines, domestic heating and industrial operations. These particles have the property to change their form, size and chemical composition in the atmosphere. In the context of his PhD thesis Mr. Bernhard Heiden intensively examined the formation mechanisms and growth processes of these particles. The core of his thesis was the development of a reactor which permits an investigation of the ageing processes of nano-particles. After the completion of his PhD-thesis Dr. Bernhard Heiden changed from university to industry. I wish Mr. Heiden a lot of success in his new position and confirmation of his work.

Peter Sturm