

Preface

The small conference we arranged to celebrate the 100th anniversary of Mie's theory was a fascinating event. The two nephews of Gustav Mie were present, one of them presenting a real live account on his uncle. We got in touch with them when one of us (TW) started to redesign a web page on a collection of Mie scattering programs back in 2000. A photo of Gustav Mie scanned from a source at the local university library and some information about his life was included in this web page. This photo can still be found at the ScattPort light scattering information portal [1] and since then the photo has been widely distributed on the Internet. One of the nephews called by phone introducing himself as the caretaker of the scientific inheritance of his uncle and asked for the source of the photo. Apparently, he did not know about this specific photo. Since that time our interest on the history of science in the topic of light scattering arose and we collected papers and other sources of information. Somehow the idea to arrange a conference on the anniversary in 2008 of Gustav Mie's original paper arose. After two attempts we managed to secure some funding to arrange this conference. Scientists from all over the world presented talks on the current state of light scattering by particles including simulations and applications. The current edited volume is a compilation of selected extended versions of papers presented at this conference arranged in Halle (Saale) in 2008. We would like to thank all the authors for their contributions and acknowledge the support of the conference by Deutsche Forschungsgemeinschaft (DFG).

Halle, Bremen, Germany

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Reference

1. Information on Gustav Mie at ScattPort, <http://www.scattport.org/index.php/gustav-mie-special>.

The Mie Theory

Basics and Applications

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