

**Institute for High Voltage Equipment and  
Grids, Digitalization and Energy Economics**

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September 07, 2022

## **Reference Letter for Stefan Vilceanu**

To whom it may concern,

please accept this reference letter as a professional work evaluation for Mr. Stefan Vilceanu.

Mr. Vilceanu, born February 16, 2000, worked as a student associate at the Institute for High Voltage Equipment and Grids, Digitalization and Energy Economics (IAEW) of RWTH Aachen University from June 14, 2021, to July 31, 2022, more specifically in the research team Energy Distribution Grid Planning at the Chair for Active Energy Distribution Grids.

The Institute for High Voltage Equipment and Grids, Digitalization and Energy Economics (IAEW) consists of the Chairs for High Voltage Equipment and Technology, Transmission Grids and Energy Economics, and Active Energy Distribution Grids, where altogether more than 90 scientific staff members work on current research topics in the context of the energy transition. The three chairs are divided into a total of 9 research groups, which complement each other in terms of content and methodology within the framework of the competence fields Asset Management, Flexibility Coordination, and Protection and Stability.

During his work, Mr. Vilceanu contributed significantly to the development and expansion of models and procedures for the planning of DC distribution grids. His responsibilities included the visualization of distribution grids, the extension of interfaces for grid data models and metaheuristic

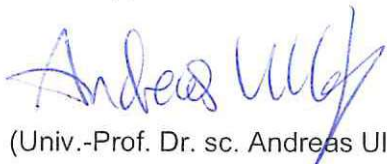
planning models for DC grids and their validation. In this context, he worked with different programming languages such as Python and C++.

Mr. Vilceanu shows very good skills in the area of algorithms and programs and is an extremely motivated and reliable student. He has the ability to quickly familiarize himself with new types of problems and to solve them independently. He demonstrated very good comprehension in the fulfillment of his tasks and impressed us with his very high commitment level. Mr. Vilceanu always completed independent tasks as well as team-related work to my complete satisfaction. At all times, he worked confidently, found good solutions and was able to present and discuss his new ideas.

Through his work, Mr. Vilceanu was able to gain extensive knowledge about structure, planning and operation of electric distribution grids as well as a wide range of methods and algorithms.

I would like to thank Mr. Vilceanu for his excellent performance and wish him all the best and continued success for his further career. In summary, I would recommend him to other companies without hesitation.

Sincerely,



(Univ.-Prof. Dr. sc. Andreas Ulbig)

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