

Statement of Participation

iversity hereby certifies that **Moustafa Abdel Hamid** has participated in the following course offered by Institute of Automotive and Powertrain Engineering:

Vehicle Dynamics I: Accelerating and Braking

Taught from April 2014 to July 2014 by Univ.-Prof. Dr.-Ing. Martin Meywerk.

The considerations in this course are limited to the straight line motion of an vehicle and include resistances, driving performance, and braking and acceleration processes. Furthermore, torque and speed converters and ABS and ACC are described.

About Institute of Automotive and Powertrain Engineering

The Inst. of Automotive and Powertrain Eng. (IFAS) is part of the Faculty of Mech. Eng. (FME) at the Helmut-Schmidt-Univ., Univ. of Federal Armed Forces, Germany. The FME are entitled to grant doctoral degrees and habilitation, the FME offers one degree B. Sc. and four degrees M. Sc. (one M. Sc. Automotive Eng.).



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