Budapest University of Technology and Economics
Faculty of Mechanical Engineering
Department of Fluid Mechanics
http://www.ara.bme.hu/

FINAL PROJECT ASSIGNMENT

Publicly Available

Identification

Name: **Pohl Dániel Mihály**			ID: **72952381858**
Code of the Curriculum: 2N-MW0		Specialisation: 2N-MW0-FM	Document ref. number: GEÁT:2020-1:2N-MW0:BBLMQN
Curriculum: Gépészeti modellezés mesterképzési szak			
Final Project issued by: Department of Fluid Mechanics		Final exam organised by: Department of Fluid Mechanics	
Supervisor: Dr. Csaba Horváth (71949162105), assistant professor			

Project Description

Titée	**Investigation of structure borne microphone noise in the case of an AKG Lyra microphone** Szerkezeti mikrofon zaj vizsgálata AKG Lyra mikrofon esetében
Details	1. Design and assembly of a test rig for the investigation of multiple microphone configurations. 2. Measurement of an unmodified microphone. 3. Determination of the cause of the susceptibility to structure born noise. 4. Investigation of potential solutions for reducing the noise. 5. Comparison of various microphone configurations via measurements. 6. Evaluation of the improvements reached with the implemented alterations. 7. Summary of the work in the required document format of the MSc Thesis.
Advisor	Advisor's Affiliation: Harman Professional Kft. 7632 Pécs, Szilva utca 1.-3. Advisor: Ákos NOVOTHNY, Hardware Engineer, Engineering/R&D

Final Exam

1st subject (group)	2nd subject (group)	3rd subject (group)	4th subject (group)
ZVEGEÁTMW02 Computational Fluid Dynamics	**ZVEGEÁTMW03** Flow Measurements	**ZVEGEÁTMW08** Building Aerodynamics	**ZVEGEÁTMW19** Aerodynamics and Its Application for Vehicles

Authentication

Handed out: 15 September 2020		Deadline: 11 December 2020
Compiled by: Dr. Csaba Horváth (71949162105) Supervisor	Verified by: *Dr. János Vad* (signed) Head of Department	Approved by: *Dr. Péter Bihari* (signed) Vice-Dean

The undersigned declares that all prerequisites of the Final Project have been fully accomplished. Otherwise, the present assignment for the Final Project is to be considered invalid.

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Pohl Dániel Mihály