

ASSIGNMENT

MSc MAJOR PROJECT (BMEGEÁTMWD1)

Title: **Large-Eddy Simulation of airfoil flow using OpenFOAM**

Author's name (code): **Balázs HERNÁDI (Q6W5KL)**

Curriculum: **MSc in Mechanical Engineering Modelling / Fluid Mechanics**

Curriculum's code: **2N-MW0-FM**

Supervisor's name, title: **László NAGY, assistant lecturer**

Affiliation: **Department of Fluid Mechanics / BME
H-1111 Budapest, Bertalan L. 4-6., AE Bld.**

Advisor's name, title: **-**

Affiliation: **-**

Description / tasks of the project:

1. Draw conclusions from a BSc and the MSc thesis discussing the same topic
2. Investigate the appropriate numerical setting further in 3D.
3. Compare the difference scheme in OpenFOAM.
4. Prepare LES (3D) in OpenFOAM.

Handed out / Deadline: **11th of February 2013. / 17th of May 2013.**

Budapest, 11th of February 2013.

(L.S.)

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supervisor

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Dr. János VAD, associate professor
Head of Department

Received by:
Budapest, 11th of February 2013.

The undersigned declares that all prerequisite subjects of the Major Project have been fully accomplished. Otherwise, the present assignment for the Major Project and the subject's registration of BMEGEÁTMWD1 are considered to be invalid.

.....
student



Supervisor's declaration of acceptance:	The submitted Project Report fulfils all requirements of the Department of Fluid Mechanics, Budapest University of Technology and Economics.
Supervisor's proposal for final grade of the thesis:	<div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"><p>The proposed final grade* of the Project Report:</p><p>.....</p></div> <p>* Please, select one: excellent (5), good (4), medium (3), acceptable (2), fail (1)</p>
Date:	Budapest, 17 th of May, 2013.
Name / Signature:	<p>.....</p> <p>supervisor</p>

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