

## FLOW MEASUREMENTS (BMEGEÁTMW03): LABORATORY MEASUREMENTS

Semester 2, Academic year 2008/2009

No. of students: 9, 3 X 3-person groups (I., II., III.)

Occasion „A”: 14 April, Tuesday, 14.15 – 16.00 pm (2 X 45 min)

Occasion „B”: 21 April, Tuesday, 14.15 – 16.00 pm (2 X 45 min)

Measurement	Laboratory leader
<i>N1. Car front surface: Investigation on the flow past a simplified, mirrored car front surface model, with special regard to the drag force, for various geometries</i>	<b>Miklós BALOGH</b>
<i>N2. Race car wheel: Drag force acting on the front wheel of a Formula1 race car, and its reduction by means of shear layer conditioning</i>	
<i>K.1.1. Free jet: Measurement on the velocity distribution in a planar free jet</i>	<b>Eszter LUKÁCS</b>
<i>K.1.2. Air curtain: Curvature of a planar free jet due to pressure difference; investigation on an air curtain applied to an industrial hall</i>	

Occasion	NPL wind tunnel		Trolley 1	
	Measurement	Group/meas	Measurement	Group/meas
A	N1. Car front surface	<b>I/1.</b>	K.1.1. Free jet	<b>III/1.</b>
	N2. Race car wheel	<b>II/1.</b>	K.1.2. Air curtain	
B	N1. Car front surface		K.1.1. Free jet	<b>I/2.</b>
	N2. Race car wheel	<b>III/2.</b>	K.1.2. Air curtain	<b>II/2.</b>

### Declaration 30 March 2009

By providing my signature, hereby

- I declare that I have been trained by the laboratory work safety requirements,
- I acknowledge my sole responsibility regarding any injury occurring to me due to breaking the work safety rules.

I.: 1. Dános Tamás, 2. Kondor István, 3. Franczen Árpád

II.: 1. Molnár László, 2. Daniele Petrilli, 3. Reith Márta Janka

III.: 1. Hercz Zoltán, 2. Kotán Sándor, 3. Heiter Kálmán

According to the serial numbers, each student is responsible for coordinating and reporting on one measurement.