



# news release

For immediate release

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## Emerson's XII. International AVENTICS Pneumobile Competition to Start May 9th

*Compressed-air-powered vehicles designed and created by engineering students to race at the annual event featuring 41 teams from eight countries*

**EGER, Hungary (May 3, 2019)** – Compressed-air powered-vehicles -- known as “pneumobiles” -- built by engineering students will compete in the 12<sup>th</sup> annual International AVENTICS Pneumobile Competition Powered by Emerson in Eger, Hungary. The vehicles, which are based on Emerson's AVENTICS™ pneumatics components, will be tested for endurance, manoeuvrability and speed over the three day event.

The competition starts in Érsekkert Garden and will feature 41 teams from Czech Republic, Estonia, Poland, Latvia, Lithuania, Hungary, Romania, and Slovakia who will race their vehicles against each other to showcase their technological prowess. Almost every Hungarian technical higher education will be represented, with 22 teams coming from Budapest University of Technology and Economics; University of Debrecen, Faculty of Engineering; University of Miskolc; John von Neumann University; University of Nyíregyháza; Óbuda University; University of Pannonia; University of Pannonia, Zalaegerszeg; University of Pécs and University of Szeged, Faculty of Engineering.

The engineering students will be competing in three races. In the long-distance race, the winning vehicle will be the one that covers the greatest distance powered by a single compressed air bottle while maintaining the required minimum speed of 15 km/h and making two pilot changes. An arcade race will consist of three rounds that test vehicle manoeuvrability on a slalom track, and an acceleration race will reveal the fastest vehicle.

“When we began in 2008, there was a desire to establish a closer relationship between the Hungarian higher education institutions and the pneumatics industry,” said István Gödri, managing director of Emerson's AVENTICS Hungary Kft. “The goal was to enhance practice-oriented training with the excitement of a competition. That is when the idea of designing and building a vehicle powered by compressed air was born, which then became the pneumobile competition.”

This year's competition runs under the patronage of Dr. László György, State Secretary for Economic Strategy and Regulation at the Ministry of Innovation and Technology. The winning teams will receive a 500,000 forint cash prize each, and the most successful university over the

last three years will be awarded “AVENTICS Best Pneumobile 2019” and a one million forint prize.

“In our view, the task of designing and constructing a vehicle for the pneumobile competition is a great way for the next generation of engineers to acquire the necessary skills for the application of Industry 4.0,” said Gödri. “We place a heavy emphasis on developing the skills of the engineering students participating and continue to adjust the competition to introduce them to the latest technology advances used in the industry.

This competition has contributed to approximately 1600 engineers, over the past decade, gaining real-world experience on pneumatics engineering concepts, teamwork and project management. It further demonstrates Emerson’s long-standing commitment to STEM programs that support the future workforce, including supporting over 350 academic institutions globally. The nature of the pneumobile competition which highlights the excitement and fun of engineering also encourages younger generations to pursue roles in STEM.

### **The Pneumobile Competition Program:**

#### **9th May, 2019 (Thursday); Eger, Érsekkert**

*Körcsarnok (Round Hall)*

8:00 to 12:00	Registration
9:00 to 17:00	Scrutineering
14.00 to 18.00	Free practice
18.00 to 18.30	Technical opening
<i>Site of AVENTICS Hungary Kft.:</i>	
14.00 to 17.00	Teacher conference and factory visit

#### **10th May, 2019 (Friday); Eger, Érsekkert**

*Körcsarnok (Round Hall)*

7.00 to 8.00	Arrivals
7.30 to 14.30	Assessment
14.00 to 15.15	Preparation for the city parade, bottle change

*Other locations*

8:00 to 15:00	Presentations
15.15 to 15.45	Racer briefing
15.45 to 16.00	Queuing prior to the city parade
16.00 to 18.00	City parade
16.30 to 17.30	Opening ceremony and other presentations at Dobó tér
18.00 to 20.00	Qualifying round 1

#### **11th May, 2019 (Saturday); Eger, Érsekkert**

6.30 to 8.00	Qualifying round 2
8.15 to 9.45	Long-distance race
10.00 to 10.30	Festive opening, greeting of guests
10.30 to 12.30	Skills competition
10.30 to 11.30	Competition 1
11.30 to 11.40	Break 1
11.40 to 12.00	Competition 2
12.00 to 12.10	Break 2
12.10 to 12.30	Competition 3

12.30 to 13.00	Presentations 1 (vehicle shows, additional competitions' results announcements)
13.00 to 13.30	Acceleration race
13.30 to 14.00	Presentations 2 (vehicle shows, additional competitions' results announcements)
14.00 to 15.00	VIP and teacher races
15.00 to 16.00	Announcement of results
16.00	Official closing of the competition

For further information visit [www.pneumobil.hu](http://www.pneumobil.hu) or [facebook.com/PNEUMOBIL](https://facebook.com/PNEUMOBIL)

### **About Emerson**

Emerson (NYSE: EMR), headquartered in St. Louis, Missouri (USA), is a global technology and engineering company providing innovative solutions for customers in industrial, commercial, and residential markets. Our Emerson Automation Solutions business helps process, hybrid, and discrete manufacturers maximize production, protect personnel and the environment while optimizing their energy and operating costs. Our Emerson Commercial & Residential Solutions business helps ensure human comfort and health, protect food quality and safety, advance energy efficiency, and create sustainable infrastructure. For more information visit [Emerson.com](http://Emerson.com).

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