

## Corneliu BIRTOK-BĂNEASĂ - the most awarded PhD Student from UPT at Salons of Inventions worldwide

- Romania is known for having given the world some of its greatest minds. Mathematicians, scientists and inventors have successfully represented Romania in international competition over the years. Politehnica University of Timișoara has one of this brilliant mind - Corneliu Birtok-Băneasă, PhD Student.

### BIOGRAPHY

Corneliu BIRTOK-BĂNEASĂ is PhD student at the Politehnica University of Timișoara, Faculty of Engineering Hunedoara, Department of Engineering and Management, since 2015. He received his Bachelor degree in 2010 in the field of Road Vehicle, at Faculty of Engineering Hunedoara. In 2012 he received the Master degree in Automotive Engineering / Construction and operation of road vehicles, at the Politehnica University of Timișoara, Faculty of Mechanics.

- He was technical manager at the Company – S.C. LINIARIS GALA S.R.L.–Deva between 2011 and 2013. Since 2008 until now he is Chief Executive Officer of Company-Association Corneliugroup.

### Specific contributions

- His main field of interest include optimisation of air intake for internal combustion engine. The most important achievements obtained in the past years are included in one monography entitled: The internal combustion engine air intake – Superabsorbing filters – Dynamic air transfer systems, published by the Politehnica Publishing in 2011.

- He authored or co-authored more than 20 papers, published in journals and national and international conferences.

- His is also co-author at the chapter 8 entitle: THE STUDY OF INFLOW IMPROVEMENT IN SPARK ENGINES BY USING NEW CONCEPTS OF AIR FILTERS from the book: Internal Combustion Engines - Edited by Kazimierz Lejda and Pawet Wos, InTech, Janeza Trdine 9, 51000 Rijeka, Croatia.

- He patented The Super absorbent filter (Patent No. 126019) and The Inversed super absorbent filter (Patent No. 125034). Also he obtained the Utility model certificate for Integrated deflector of thermal radiations generated by the cooling radiator of internal combustion engines No. RO 2010 00026 and the Utility model certificate for Dynamic Device for Air transfer No. RO 2009 00028.



- The personal and original ideas, innovations and inventions belonging to Eng. Birtok-Băneasă was awarded at many national and international events.

The awards received by Corneliu BIRTOK-BĂNEASĂ:

- 26 Gold Medals:** INVENTIKA 2008; BRUSSELS 2008; INVENTIKA 2009; GENEVA 2010; INVENTICA 2010; MOSCOVA 2010; ZAGREB 2010; KUWAIT 2010; INVENTICA 2011; PROINVENT 2012; GENEVA 2012; BRUSSELS 2012; GENEVA 2013; BRUSSELS 2013; GENEVA 2014; PRO INVENT 2015; GENEVA 2015; TRAIAN VUIA 2015; INVENT \_ INVEST IASI 2015; BRUSSELS 2015
- 6 Silver Medals:** GENEVA 2009; MOSCOVA 2009; BRUSSELS 2009; TRAIAN VUIA 2015; ZAGREB 2015; INVENT \_ INVEST IASI 2015
- 2 Bronze medals:** ZAGREB 2009; GENEVA 2011
- 22 Special Awards.**