

REFLEXIONS AFTER THE WORLD DAY OF ENGINEER

REFLEKSJE PO ŚWIATOWYM DNIU INŻYNIERA



We have many different “Days”, being marked in the calendar and celebrated, e.g. Day of Miner, having a long tradition, Day of Fireman, Day of Teacher, Days of the Sea, Day of Child, Women’s Day, Day of Grandmother and Grandfather, Day of Forget-me-Not in May and even the Day of Cat!

Since this year, we have also celebrated the World Day of Engineer, what occurred the first time not only in Poland but all over the world. It was initiated by the 6th World Engineers Convention (WEC) which was held in November 2019 in Melbourne (Australia) and established the 4th day of May as the World Day of Engineer. The mentioned day date was chosen on the remembrance of 4 March 1968. It was just the day when the representatives of 50 engineering associations from the whole world under

the patronage of UNESCO (United national Organization for Education, Science and Culture) met in Paris with the aim to establish the World Federation of Engineering Organizations. The Federation of Engineering Associations NOT (Poland) supported the mentioned initiative and declared the active participation in the mentioned celebrations.

The first Polish celebration of the Day of Engineer was inaugurated in Poznań. This year, the 4th day of March was celebrated as the World Engineering Day for Sustainable Development. Poznań University of Technology was the host of the discussed inauguration which was attended by a wide group of the representatives of different engineering environments from technical universities, research institutes and business and

Fig. 1. Jacek Bańcerzek receives the Euro-engineer diploma



Fig. 2. Tadeusz Słomka, Rector of AGH University of Science and Technology in Cracow



Fig. 3. Tomasz Łodygowski, Rector of Poznan University of Technology



Fig. 4. Łukasz Mikołajczyk, Wielkopolska Voivode



economy sectors. The ceremony was opened by His Magnificence Rector of the Poznań University of Technology, Prof. dr. Hab. Tomasz Łodygowski, Ph.D.

From among many addresses, we should mention a special one, by the Prime Minister of the Republic of Poland, Mateusz Morawiecki; the address was delivered to the participants of the meeting by the Wielkopolska Voivode Łukasz Mikołajczyk. We may read, inter alia, as follows: "The Poles "possess a gene of innovativeness"; they have the capacity of breaking the schemes and managing the untypical situations. As we live in the period

of great economic changes, we have a big chance to utilize the possibilities, offered by the fourth industrial revolution. It builds completely new perspectives and completely new spaces. The engineering talents are our national good". Congratulations on the occasion of the World Day of Engineer, together with the own reflexions on the mission of the creators of engineering were also delivered by the Undersecretary of the State at the Ministry of Development, Mr Robert Nowicki.

The Federation SNT-NOT was – and will be in the future – the chief organizer of the celebrations of the Day of Engineer

Fig. 5. Robert Nowicki, Undersecretary of the State at the Ministry of Development



in Poland. The President of the Federation, Ewa Mańkiewicz-Cudny informed that NOT has undertaken the initiative of annual celebrations of the World Day of Engineer which is the occasion to remind the enormous contribution of Polish engineers to the to the civilization development of the world and to present the future directions in engineering, considering the social, culture, economic and climate conditions.

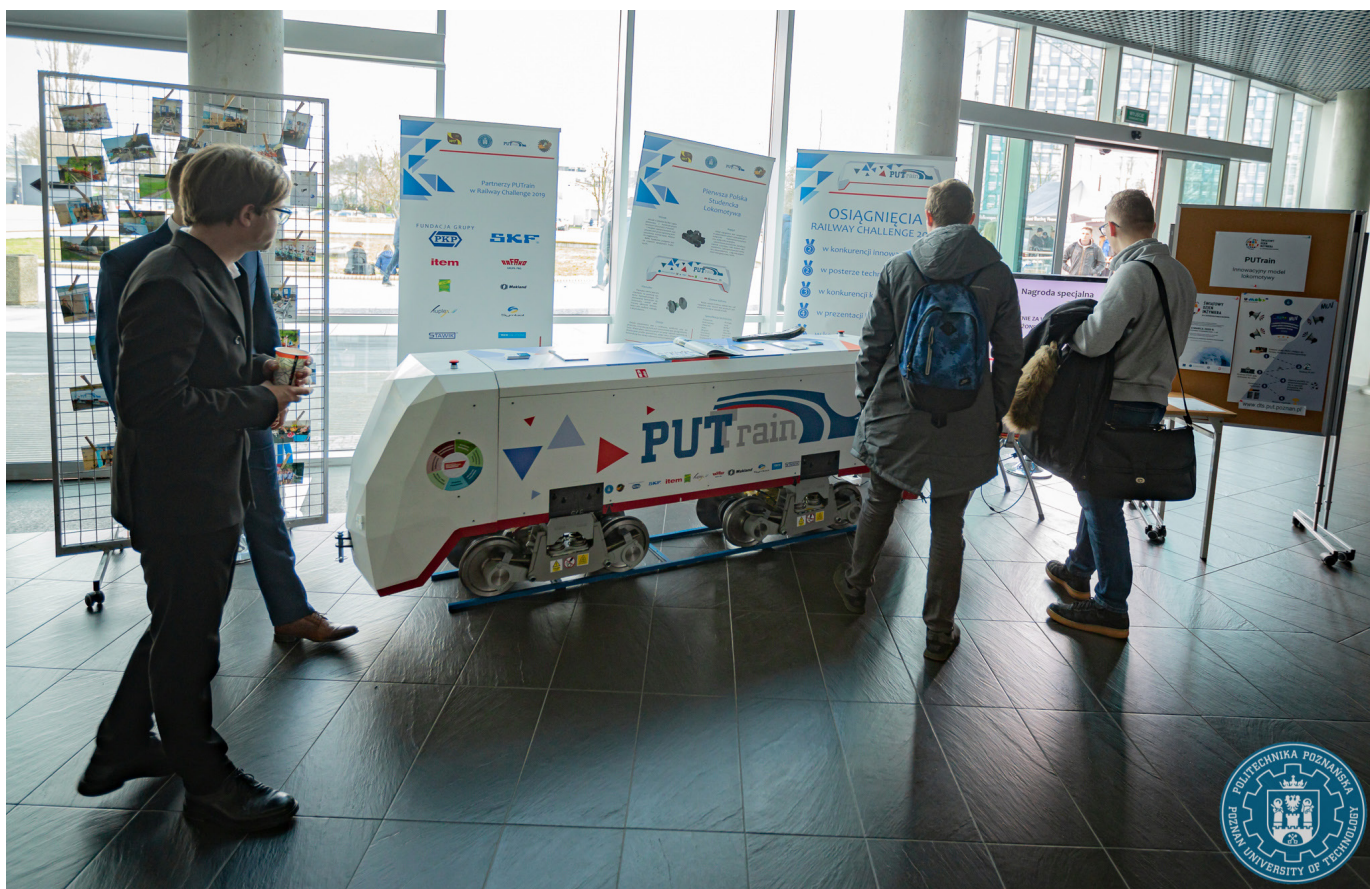
The Rectors of the greatest Polish technical universities – Prof. dr. hab. Jan Szmidt, Ph.D., Rector of Warsaw University of Technology and also, the Chairman of the Conference of the Rectors of Academic Schools in Poland, and Prof. dr. hab.

Tadeusz Słomka, Ph.D., Rector of the Stanisław Staszic AGH University of Science and Technology in Cracow, the Chairman of the Conference of the Rectors of Polish Technical Universities concentrated their addresses on the education of engineers in quickly varying environment.

According to the announcement of the President of SNT-NOT, the program of the first celebration of the Day of Engineer included the presentation of the contribution of Polish engineers to the national as well as to the world heritage. The presentation of many known and unknown persons of the technical world, entitled: "Polish engineer throughout the history" was delivered by Prof. dr. Józef Gawlik, Ph.D., the member of the Central Commission for Degrees and Titles, academic teacher of the Tadeusz Kościuszko Cracow University of Technology.

The presentation of Prof. dr hab. Roman Słowiński, Ph.D., the Vice-President of Polish Academy of Sciences, the scientific worker of Poznań University of Technology on "the role of artificial intelligence in the acceleration of the scientific research and technological innovations" was the far-reaching prognostic that the future Days of Engineer will discuss always current and interesting subjects. The lecturer showed a short film from Japan in which the possibilities of AI (artificial intelligence) in respect of supporting the blind persons were presented. Owing to the mentioned application, they will be able to move independently in the world little available for them; they will be also able to use the applications allowing them to know whom

*Fig. 5. Students of the Poznań University of Technology exhibited their work
Pictures: Tomasz Grzelak*





they meet (or pass, even only to say "hello"). They will also facilitate the recognition of mood and humour of the passing people!

It is only one of the improbable examples and the possibilities, created owing to AI (artificial intelligence) being probably not completely understood by all people until now. The rhetorical question of the lecturer was also justifiable: whether the AI, as having the improbable computing and causative capacities, will not release itself from its objective treatment by man and will not become itself the subject, with transcendental properties?

We do not know exactly what will be the effects of less or more secret plans of work on the creation of computer – machine – which will be not only furnished up with the attributes, reserved until now for human brain and its recognition but it will itself generate and take over such possibilities!

We may, therefore, expect as early as to-day that the development of engineering, as increasing in the exponential rate, will deliver the subjects for the successive, annual meetings within the frames of the celebration of the World Day of Engineer.

The National Centre for Research and Development in Poland was the partner of the World Day of Engineer.

Janusz Kowalski

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for Research and Development