

Candidature for the WFEO General Assembly elections as a National Member at the forthcoming WFEO GA to be held in Shanghai, China, on 17 October 2025

Mr DANIEL HANUS



As Immediate Past-President of the Czech Association of Scientific and Technical Societies, I am honored by the nomination for a candidature to membership in the WFEO Executive Council as a National Member, and I agree to the nomination.

As a professional engineer, I have served all my life in the development of technologies in the area of my expertise, power engineering, and aviation, and also served the community of engineers in the Czech Republic and worldwide.

I have been a member of WFEO representing the Czech Republic for many years, and it is a great honor and pleasure for me to have collaborated with WFEO as the Chairman of the CSVTS Steering Committee to organize the 7th World Engineers Convention WEC 2023 in Prague.

I am ready to use my experience while working in the WFEO Executive Council in the position of National Member for the further development of the federation.

Assoc. Professor, Ing. Daniel Hanus, PhD., EUR ING, AFAIAA

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d) The qualifications and experience of the candidate, including particularly their service to their member organization, to international engineering organizations, and to WFEO

Candidate for the position of a National Member of the Executive Board of WFEO for the forthcoming WFEO General Assembly elections to be held in Shanghai, China, on 17 October 2025.

Assoc. Professor, Ing. Daniel Hanus, PhD., EUR ING, AFAIAA

The Immediate Past-President of the Czech Association of Scientific and Technical Societies CSVTS is a world-renowned expert in aerospace engineering.

A graduate of the oldest engineering school in the world, the Czech Technical University in Prague, he has devoted his entire life to pedagogical work in aerospace engineering, as well as industrial and scientific endeavors focused on sustainability and enhancing the efficiency of aircraft propulsion units and industrial power plants.

He is a member of the Czech Technical University in Prague (CVUT) and served many years as the Head of the Aircraft Engines Branch at the Department of Aerospace Engineering as well as the Head of the Department of Air Transport.

He worked as a visiting professor at the French Aerospace University Sup'Aéro in Toulouse and collaborated with many world-class universities and research facilities in Europe, Canada, and the USA. (TU Delft, TU Darmstadt, ENAC Toulouse, Politecnico di Milano, University of Glasgow, University of Toronto, Carlton University Ottawa, Concordia University Montreal, University of Syracuse USA, NASA Glenn Research Center, USA).

As a renowned expert, he holds a high membership rank AIAA Associate Fellow of the American Institute of Aeronautics and Astronautics, and represents the Czech Republic on the Board of the International Society of Air Breathing Engines ISABE.

In addition to his pedagogical, scientific, and industrial practice, he has devoted his entire professional life to serving the professional community of engineers in the Czech Republic and also on a European scale.

He was elected president of the Czech Association of Scientific and Technical Societies for several terms.

He also serves currently as president of the Association of Mechanical Engineers of the Czech Republic and as president of the Czech Aerospace Society.

Since 1995, he has been active in the European Federation of National Engineering Associations FEANI and was elected for two terms as a member of the Executive Committee of FEANI. Currently, he has been elected as president of the Czech National Committee for FEANI/Engineers Europe.

Within the framework of European cooperation of EU universities in aerospace education and research - the Pegasus Network, he serves as a representative of the Czech Technical University and was elected as a Board Member.

Since 1998, he has served as a representative of the Czech Republic in WFEO and collaborated with the WFEO in the organization of the 7th World Engineering Convention WEC 2023 in Prague as the Chair of the CSVTS Steering Committee.

He was awarded numerous honors for his contributions to the development of the field of mechanical engineering and his service to the engineering community.

Award of the Parliament of the Czech Republic for contribution to the development of the Czech aviation Order of the Air Force of the Army of the Czech Republic for the development of aviation

Christian Josef Willenberg Medal, the highest Czech Association of Scientific and Technical Societies award

Leonardo da Vinci Medal, the highest Society of Mechanical Engineers of the Czech Republic award

F. J. Gerstner Medal, the highest Cech Technical University, Faculty of Transportation Sciences award

Awards for contribution to the development of mutual collaboration of FEANI, WFEO, IE (India), Slovak Association of Scientific and Technical Societies ZSVTS



In Prague, 16 January 2025

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Structured CV in attachment

MR. DANIEL HANUS – STRUCTURED CV

1. EDUCATIONAL BACKGROUND

College or University	Degree(s)	Date
Czech Technical University in Prague, Faculty of Mechanical Engineering	Ing. (MSc. Eng.)	1967
Czech Technical University in Prague, Faculty of Mechanical Engineering	CSc. (PhD.)	1981
European Federation of National Engineering Associations FEANI	EUR ING	1997
Czech Technical University in Prague	Associate Professor	2003

2. PROFESSIONAL RECORD

Job Title, Employer / Affiliation	Dates	Noteworthy Accomplishments
Associate Scientist, Research Laboratory of Superchargers, Czech Technical University in Prague, Faculty of Mechanical Engineering	1992-1993	Research and development of turbochargers for diesel engines for locomotives and ships, improvement of their efficiency and operational characteristics, improvement of their lifetime and reliability - design of the new shape of rotor blades
Assistant Professor, Department of Aerospace Engineering, The Czech Technical University in Prague	1976- 1981	Teaching in the field of internal aerodynamics of turbo machines, thermal cycle analysis of gas turbines and jet engines
Research and Development Fellow, Walter (Aero Engines-Motorlet) Company	1982-1985	Research and development of turbo-propeller engines
Head of Aircraft Propulsion Branch at, the Department of Aerospace Engineering, The Czech Technical University in Prague	1986-2002	Teaching in the field of internal aerodynamics of turbo machines, and thermal cycle analysis of gas turbines and jet engines. Chief Manager of several research development and innovation projects in the field of aeronautical engineering.
Visiting Professor, Ecole Nationale Supérieure de l'Aéronautique et de l'Espace, Toulouse, France	1992-1993	Teaching and research at the "Department Propulsion" Co-ordinator of the European Program of the student mobility TEMPUS with France and also of the Project of the specialized postgraduate formation in aerospace engineering (Mastère Spécialisé).

Project Manager, Grant Agency of the Czech Republic, Ministry of Transportation, Ministry of Industry and Trade, Ministry of Education, Youth and Sports of the Czech Republic	2003-2015	Research and development in the field of safety and efficiency of aircraft propulsion systems, internal aero and thermodynamics, and development of a new generation of centrifugal compressors
Head of Department of Air Transport, Faculty of Transportation Sciences, Czech Technical University in Prague	2005- 2015	Department of Air Transport management
Associate Professor, Czech Technical University in Prague	2003-present	Teaching in undergraduate and graduate engineering programs in the fields of Aerospace Sciences, Air Transport, and Avionics
Partner of the H2020 project PERSEUS	2005- 2015	Quality assurance of the Aerospace engineering programs at technical universities of the EU
Manager of a Research and Development Project	2014- 2016	Implementation of Instrument Flight Rules for helicopters of airborne rescue services
Manager of a Research and Innovation Project	2014 -2016	New design concept of a centrifugal compressor of an aircraft turboprop engine

2. HONORS AND AWARDS

Technical Society / Organization	Date	Recognition
Parliament of the Czech Republic	1998	Medal awarded as appreciation for lifelong service to the Czech aviation
Slovak Association of Scientific and Technical Societies ZSVTS	13. 9. 2004	Gold Medal awarded for lifelong service to the scientific and professional collaboration with Slovak scientists and engineers
Czech Society of Mechanical Engineers ASI ČR	2013	Leonardo da Vinci Medal for the lifelong contribution to mechanical engineering research and development
Czech Association of Scientific and Technical Societies ČSVTS	2013	ČSVTS Honorary President
Czech Technical University in Prague	2013	F. J. Gerstner Medal
Czech Association of Scientific and Technical Societies ČSVTS	28. 5. 2015	ČSVTS Christian Josef Willenberg Medal for the important contribution to the ČSVTS development
Czech Association of Scientific and Technical Societies ČSVTS	202	K. D. Gangloff Medal

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3. SERVICES TO ENGINEERING AND OTHER PROFESSIONAL SOCIETIES / BOARDS / COMMITTEES

Title	Organization / Committee	Dates
President	Czech Association of Scientific and Technical Societies CSVTS	1998 – 2004 2008 – 2014 2017- 2023
Member of Executive Board	Czech National Committee for IIASA (International Institute for Applied Systems Analysis), Laxenburg, Austria	2001 - 2005
Member of Nomination Committee	Czech National Scientific Committee „Ceska hlava“ – “Czech Mind”	2000 – 2016
Associate Fellow	American Institute of Aeronautics and Astronautics AIAA	2003 – present
Member of the Committee for Science, Research, and Aerospace	Commission of the Economic Committee of The Parliament of the Czech Republic	2000 – 2014
Vice-Chairman of Executive Board	PEGASUS Network (European Group of Aerospace Universities)	2008-2010
Member of Executive Board	PEGASUS Network (European Group of Aerospace Universities)	2017 - present
President	Czech Aerospace Society	2018 - present
President	Czech Society of Mechanical Engineers	2014 - present
Member of Executive Board and Czech National Representative	International Society of Air Breathing Engines ISABE	2014 - present
President	Czech National Committee for Engineers Europe	2023 - present