

# FEDERATION AERONAUTIQUE INTERNATIONALE

## NOMINATION FORM

### THE ANTONOV DIPLOMA

(for technical innovation(s))

From NAC: CROATIAN AERONAUTICAL FEDERATION

Date: 14.11.2023 \_\_\_\_\_

Address: Dalmatinska 12/II, \_\_\_\_\_

Country: Croatia \_\_\_\_\_

10 000, Zagreb \_\_\_\_\_

Croatia \_\_\_\_\_

(Only one person from a country may be nominated annually by that candidate's National Airport Control.)

Name of Nominee: Vladimir Horvat \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Email address: vladimirhorvat46@gmail.com \_\_\_\_\_

### DESCRIPTION OF TECHNICAL INNOVATION(S) - Please Print

HORVAT Vladimir, a retired engineer, expert and manufacturer of antihail rocket systems, has devoted his whole life to Aeromodelling and Space Models. Starting in F1A, he moved to Space Models, where he became a known personality and expert in the field of gliders and motors. To his biggest technical innovations count:

- Introduction and basic concepts of advanced construction wings, improved airfoil design in Boost-Gliders (S4), many times copied and winning many medals at World and International Championships.
- Improvement and descriptions of mechanical behaviour of pods (several his improvements were used for many decades in class S4)
- Design of long-burn motors (specialisation on the motor casing and propellant) which together with his advanced aerodynamic design gave the Yugoslav team the first three individual and team gold in S1 Altitude at the 1987 World Spacemodelling Championships.
- Many internationally recognized papers and books on the design of boost gliders and model rockets.
- Teaching programs for starters and young people, in several levels.
- As long – time Space Subcommittee member, Vladimir is helping to improve the sporting code and the level of safety overall. Many of his ideas are implemented and have largely contributed to the improvement of the sport.

NAC Signature: Blaženka Jagatić, Secretary General

  
President or Secretary General of nominating FAI National Airport Control

(must be submitted to the FAI Office by November 15)