FEDERATION AERONAUTIQUE INTERNATIONALE

THE ANTONOV DIPLOMA

(for technical innovation(s))

From NAC: SERBIA Date: October 28, 2021

Address: Uzun Mirkova 4/I Country: Serbia

11000 Belgrade

Serbia

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

Name of Nominee: Aleksandar Stojanović

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DESCRIPTION OF TECHNICAL INNOVATION(S) - Please Print

Aleksandar Stojanović (89), a mechanical engineer, is no doubt the oldest active space and aeromodeller in Europe with an activity of 70 years. His work was constantly innovative and his innovations were published in four books. His book "Astronautics and Space Modelling" (1965) was one of the first in the world and "Kites" (2017) is a comprehensive monography of kites with about 50 of his designs. He also published about more than 200 articles on space and aeromodelling in Serbian, Croat and Slovenian technical publications "Tehnicke novine", "ABC Tehnike" and "TIM". He started his work about 1950 with development of motors for space models based on gun powder and sulfur and made experimental flights with his models. He developed kites for decades giving them different attractive shapes and giving them practical application like platform for launching gliders or transfer of messages. He was the member of the first Yugoslav NAC Space Models team in 1966 and one of the outstanding designers of space models. He specially worked on stabile flight of asymmetric bodies like scale model of the Apollo lunar module. He won with it in a contest for the best design in 1974. He was also famous for stabile flights of "Titan 3C" and similar asymmetrical scale models in a strong wing thanks to his innovative design solutions. Later he achieved successful stabilized flights by rotation of space models. His recent design is a two staged altitude model with a second stage within the first stage and with a dynamic launching of the second stage using the body of the first stage like a piston to increase efficiency. Recent experiments show an increase of efficiency up to 30%. Aleksandar Stojanović is also dedicated very much to education of young modelers and for his work he was awarded so far with the FAI Frank Ehling and Paul Tissandier diplomas. These days he is completing his latest book on S9 Gyrocopter models.

NAC Signature:

President or Secretary General of nominating FAI National Airsport Control

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