

## European Structural Integrity Society (ESIS) ESIS Vice President Prof. Liviu MARȘAVINA, PhD

At the 22<sup>nd</sup> European Conference on Fracture, held in Belgrade, Serbia between 26 – 31 August 2018 was elected the new Vice President Prof. Liviu Marșavina from Politehnica University Timișoara (Romania).

European Structural Integrity Society (ESIS) is a non-profit organisation run by the Executive Committee that is instructed by and responsible to a Council of delegates representing each European Country affiliated to the Society, as well as the Technical Committee chair – persons. ESIS has 17 Technical Committees and 25 affiliated countries (including Romania).

Structural Integrity refers to the safe operation of engineering components, structures and materials, and addresses the science and technology used to assess the margin between safe operation and failure.

The aim of ESIS is to develop and extend knowledge in all aspects of Structural Integrity and disseminating that knowledge world wide with the objective of improving the safety and performance of engineering equipment, individual components and structures.

Specifically:

- to foster research and collaboration into the prevention of failure of engineering materials, components and structures under mechanical loadings and associated phenomena.
- to encourage interdisciplinary research into the physical behaviour of engineering components, materials and structures.
- to develop new testing methods, numerical methods, and engineering estimation methods for structural integrity assessment.
- to improve engineering designs.
- to improve manufacturing, inspection and maintenance procedures.
- to develop methods for interpretation of material property data, probabilistic assessment and tools for failure prevention and management.
- to disseminate knowledge, by means of scientific publications, procedure documents, and referring developments to national and international code-making bodies where relevant.
- to educate young engineers and scientists in structural integrity matters.

ESIS is associated with Elsevier for publishing four well-recognized journals: *Engineering Fracture Mechanics*, *International Journal of Fatigue*, *Theoretical and Applied Fracture Mechanics* and *Engineering Failure Analysis*, as well for publishing the *Procedia Structural Integrity* with contributions from organized meetings.

Executive Committee headed by President and two Vice Presidents assures the management of ESIS. The Council represented by the President, who acts as Chairman of Council, the two Vice Presidents, two delegates, one of whom is a voting member, from each of the National Groups of affiliated European countries, the Chairperson of each Technical Committee and the Secretary, who acts as Secretary to the Council elects them.

At the 22<sup>nd</sup> European Conference on Fracture, held in Belgrade, Serbia between 26 – 31 August 2018 the new President Prof. Francesco Iacoviello from Università di Cassino e del Lazio Meridionale (Italy) and Vice Presidents Prof. Alexander Sedmak from University of Belgrade (Serbia) and Prof. Liviu Marșavina from Politehnica University Timișoara (Romania) were elected for a four year mandate.

Prof. Liviu Marșavina had an important contribution in the affiliation of Romanian Association of Fracture Mechanics (ARMR) to ESIS. Since 2006 he participated at all European Conferences on Fracture organized by ESIS in Alexandropolis (Greece) in 2006, Brno (Czech Republic ) in 2008, Dresden (Germany) 2010, Kazan (Russia) 2012, Trondheim (Norway) 2014, Catania (Italy) 2016 and Belgrad (Serbia) in 2018. From 2014 Prof. Marșavina acted as Co - Chair of the ESIS Technical Committee TC13: Education and Training.

