



60th ANIVERSARY

Doctor of Physical-Mathematical Sciences (Doctor of Sciences), Professor, Corresponding Member of National Academy of Sciences of Armenia Ara Sergey Avetisyan is born in 14 September 1958, (Talin, Republic of Armenia). After graduation in 1980 the Mechanical Mathematical faculty of Yerevan State University, in 1980-1982 He is work as the Engineer-constructor at Constructional Experimental Technological Institute of Civil Engineering Ministry of Republic of Armenia.

After graduation the PhD student courses at the Institute of Mechanics of NAS of Armenia, in September of 1986, He became a Candidate of physical and mathematical sciences, with thesis title: «Propagation of shear electroelastic waves in piezoelectrics».

In february of 1998 He became a Doctor of Physical and Mathematical Sciences (Doctor of Sciences), with thesis title: «Nonlinear wave phenomena in piezoelectric media in the case of propagation of shear waves».

Since a 2006 Ara Avetisyan is a Corresponding Member of National Academy of Sciences of Armenia, and since a 2010 He is a Professor at Yerevan State University.

From 1994 to 2005 A.S. Avetisyan was a deputy Editor-in-chief , and since a 2005 Editor-in-chief of Proceedings of National Academy of Sciences of Armenia «Mechanics».

Since 2001 He is Head of National Committee of Theoretical and Applied Mechanics of Armenia.

In addition to the problems of related physical fields, Professor Avetisyan was also engaged in the problems of non-classical mechanics and the controllability of mechanical systems.

In recent years, on these topics under his scientific leadership, was defended the dissertations of the candidate of sciences five of his graduate students:

2008 - Aleksanyan D. R. «Stability of the homogeneous and composite circular plates and some possible applications»

2009 - Khachatryan V.M. «The effect of nonlinearity in the propagation of electro-elastic waves»

2014 – Kamalyan A.A. «Localization of Shear Electro-elastic Waves in Non-Homogeneous Piezodielectric Media»

2015 – Mkrtchyan M.H. «Design and Study of Micromanipulators With Elastic Joints and Piezoelectric and Polymer-Metal Motors»

2017 – Hunanyan A.A. «Amplitude-frequency interaction and localization of electroelastic shear wave in piezoelectric waveguide with near-surface weak inhomogeneities»

Selected peer-reviewed articles and book chapters:

1. Shear wave propagation in periodic phononic/photonic piezoelectric medium. Wave Motion, 2012, vol. 49, issue 1, pp. 125-134 (with G. T. Piliposyan, K. B. Ghazaryan)
2. Magneto-Thermoelastic Equations of Thin Electro conductive Isotropic Shells and Plates: Linear Equations. Encyclopedia of Thermal Stresses, 2014, vol. 615, pp. 2845-2853, Springer (with D. Hasanyan, Zh. Qin, P. Marzocca)
3. Magneto-Thermoelastic Equations of Thin Electro conductive Isotropic Shells and Plates: Nonlinear Equations. Encyclopedia of Thermal Stresses, 2014, vol. 615, pp. 2853-2862, Springer (with D. Hasanyan, P. Marzocca, Z. Qin, J. Li, D. Viehland)
4. Improved Reduced Order Mechanical Model and Finite Element Analysis of Three-Dimensional Deformations of Epithelial Tissues. Perusal of the Finite Element Method, edited by R. Petrova. InTech Open, 2016, pp. 133-159 (with A. Zh. Khurshudyan, S. K. Ohanyan).
5. Propagation of elastic waves in a plane waveguide layer on the basis of a simplified model of the Cosserat continuum. Proceedings of NAS of Armenia. Mechanics, 2017, vol. 70, issue 2, pp. 15-27 (with S.A. Ambartsumian, M. V. Belubekyan)

Edited monographs, proceedings, etc.

1. **Ara S. Avetisyan**, Asatur Zh. Khurshudyan (2018), Controllability of Dynamic Systems: The Green's Function Approach. Cambridge Scholars Publishing, Cambridge. 206p.
2. S. A. Ambartsumian, M. V. Belubekyan, Applied micro polar different modulus elasticity theory of shells and plates. **Edited by A. S. Avetisyan**. Palmarium Academic Publishing, 2016, 200 p. (in Russian)

Editorial Board of «Proceeding of National Academy of Sciences of Armenia, Mechanics» heartily congratulates with anniversary and wish a good health, fruitful scientific activity and further creative achievements for the benefit of development of science in Armenia.