

Curriculum Vitae

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EDUCATION

The National Academy of Science of Ukraine, Institute for problems in Machinery at Kharkov, Ukraine, Kharkov; graduated 06/1997; Doctor of philosophy in Engineering Science .Major field of study : Mechanics of Deformable Solids.

The Kharkov Institute of Municipal Engineers at Kharkov, U.S.S.R, Ukraine, Kharkov; graduated 06/1982; Master of Science in Engineering. Major in Industrial and Civil Construction.

RESEARCH INTEREST

The influence of scale factor on the mechanical properties and parameters (particularly *Poisson's ratio*) of solids. Investigating the mechanism of deformation of Polycrystal Materials in volumetric state of stresses, the anticipated direction of slip lines and angle of fracture of many structural solids (low-carbon steel, Aluminum Alloys, Grey Cast Iron and concrete) under different types of loading

COURSE TAUGHT

Mechanics of Deformable Solids
Theory of Elasticity and Plasticity
Strength of Materials
Structural Mechanics
Numerical techniques

Soil Mechanics
Static's
Steel Structures
Reinforced Concrete Structures
Surveying

PUBLICATIONS

1-" Increasing the working reliability of constructions in the case of axial & lateral loading." Maintenance and rehabilitation of buildings of municipal economy. *MHE Journal proceedings*. Kiev, ISBN,(1994), 157- 165.

2-"Foreign experience in designing steel members compressed by axial force. " Maintenance and rehabilitation of buildings of municipal economy. *MHE Journal proceedings*. Kiev, ISBN,(1995), 50- 57.

3-" An estimation of the carrying capacity of compressed steel members. "Maintenance and rehabilitation of buildings of municipal economy *MHE Journal proceedings*. Kiev, ISBN,(1995), 43-49.

4-"The effect of structural factor on the process of deformation of structural elements under simple loading." *Journal of municipal Services of cities'*.ISSN,Kiev, technology Issues. V 6, (1996), 4-9.

5-Eid Al-Sahawneh and Nart Mawloud, A Study of Three Critical Values of W/C to be Used in a Concrete Mix, 7th International Conference on Concrete Technology in Developing Countries, Kuala Lumpur, Malaysia, October 2004.

6-Nart Mawloud and Eid Al-Sahawneh, Accounting for Mutual Interaction of Reinforcement and Concrete in Theory of Designing Reinforced Concrete Constructions, 12th International Conference for Building & Construction, Cairo, Egypt June 2005.

7- Eid Al-Sahawneh ,Size effect of concrete in compression . Egypt, Asiot university journal 2005