



VARNA FREE UNIVERSITY
CHERNORIZETS HRABAR



FACULTY OF ARCHITECTURE
CONSTRUCTION OF BUILDINGS AND FACILITIES DEPARTMENT



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Reception days: Friday, 9.00-12.00h

EDUCATION

- 1994 – 1999 г. – *bachelor of Informatics in Economy* – University of economics - Varna
- 1999 – 2001 г. – *master of Informatics in Economy* – University of economics - Varna
- 1996 – 2001 г. – *bachelor of Construction of Buildings and Facilities* – Varna Free University
- 2003 – 2005 г. – *master of Construction of Buildings and Facilities* – Varna Free University
- 06.06.2011 г. – *PhD* of scientific specialty 02.15.04 "Building constructions" – Varna Free University, Faculty of Architecture

EXPERIENCE

- 2002 – 2009 г. – *assistant* – Varna Free University, Faculty of Architecture
- 2009 – 2010 г. – *senior assistant* – Varna Free University, Faculty of Architecture
- 2012 г. – *assos. professor* – Varna Free University, Faculty of Architecture

RESEARCH

- Reinforced concrete structures
- Seismic Engineering
- Soil mechanics and foundations
- Stability and dynamics of building constructions

PARTICIPATION IN PROJECTS:

- Participation in the development of National Annex to BDS EN 1998-3A:2005 "Assessment and retrofitting of buildings, 2009

CERTIFICATES, SPECIALIZATION, MOBILITIES

- 2005 – course of Eurocode 2

NUMBER OF PUBLICATIONS / REPORTS : 3 / 7

NUMBER OF CITATIONS : 0

PUBLICATIONS /2009-2013/:

- Pavlov, I. *Bearing capacity of the horizontal section of reinforced concrete chimney with accounting nonlinear behavior of the materials*, Scientific almanac of VFU, Varna, 2009

- Mihaleva, D., Pavlov, I., Ignatiev, N., *Shear capacity of external vertical FRP strips for strengthening RC beams according BDS EN 1998-3:2005 and ACI 440.2R-08*, Scientific almanac of VFU, Varna, 2011
- Pavlov, I., Mihaleva, D., Ignatiev, N., *Shear capacity of U-shaped vertical FRP strips for strengthening RC beams according BDS EN 1998-3:2005 and ACI 440.2R-08*, Scientific almanac of VFU, Varna, 2011

CONFERENCE PRESENTATIONS /2009-2013/:

- Mihaleva, D., Pavlov, I., Ignatiev, N., *Criteria for regularity in plan in case of torsion*, International scientific conference “Design and construction of buildings and application of Eurocodes”, Varna, 2010
- Pavlov, I., Mihaleva, D., Ignatiev, N., *Capacity design of reinforced concrete frame structures*, International scientific conference “Design and construction of buildings and application of Eurocodes”, Varna, 2010
- Mihaleva, D., Pavlov, I., *Design of reinforced concrete frame joints for middle and high ductility classes*, 5th International scientific conference “Architecture, Building – Modernity”, Varna, 2011
- Pavlov, I., Mihaleva, D., Ignatiev, N., *Criteria for regularity in plan for set-backs or openings*, 5th International scientific conference “Architecture, Building – Modernity”, Varna, 2011
- Pavlov, I., *Application of the differential transformation method for evaluating the free vibration frequencies of elastic rods with random form*, International scientific conference “Design and construction of buildings and application of Eurocodes”, Varna, 2012
- Pavlov, I., Mihaleva, D., *Assessment of the seismic safety of reinforced concrete frame structure*, International scientific conference “Design and construction of buildings and application of Eurocodes”, Varna, 2012
- Pavlov, I., *Loss of stability of high rc chimneys with foundation rotational flexibility*, 6th International scientific conference “Architecture, Building – Modernity”, Varna, 2011

MONOGRAPHS, TEXTBOOKS, BOOKS CO-AUTHORED:

- Ignatiev, N., Mihaleva, D., Pavlov, I., *Capacities of chord rotational angles of reinforced concrete members with nonlinear behavior and ductility coefficients for National annex to BDS EN 19938-3A:2005 “Assessment and retrofitting of buildings”*, BAS, 2009
- Sotirov, P., Ignatiev, N., Mihaleva, D., Pavlov, I., *Practical manual for application of Eurocode 8-1 “Design of structures for earthquake resistance”*, Sofia, 2011
- Vaseva, E., Sotirov, P., Ignatiev, N., Mihaleva, D., Pavlov, I., *Practical manual for application of Eurocode 8-3 “Design of structures for earthquake resistance. Part 3: Assessment and retrofitting of buildings”*, Sofia, 2011