

A) PUBLISHED PAPERS (2000 – 2005)

- A1. *Velimirović M., Vulić A.*: "New product development process analysis and criteria for product forming" The First meeting of constructing, forming and design". KOD-2000. Proceedings. Novi Sad, May 2000.
- A2. *Velimirović M., Vulić A., Velimirović Lj.*: Generation of goal function at mechanical variators, PAMM PC-129, BALATONALMADI 25÷28 maj 2000.
- A3. *Velimirović Lj., Vulić A., Velimirović M.*: Change of area under infinitesimal bending of border curve, PAMM PC-129, BALATONALMADI 25÷28 maj 2000.
- A4. *Vulić A., Mijajlović R., Marinković Z., Velimirović M.*: Planetary Transmissions in Power Mechanisms of Building Cranes, Scientific-expert meeting "Research and development of machine elements and systems" - IRMES'2000, Proceedings, p.247-252. 13.-15. September 2000., Kotor.
- A5. *Vulić A., Stefanović-Marinović J.*: Possibilities of Applying Morphological Analysis with Planetary Transmission Gears Scientific-expert meeting "Research and development of machine elements and systems" - IRMES'2000, Proceedings, p.65-70. 13.-15. September 2000., Kotor.
- A6. *Velimirović M., Vulić A., Ivanov N.*: A 0.5 Power Wind Turbine Progress and the Power Transmitter System, VI international scientific expert meeting "Source and power transmission - IPS '2001", 26-28. September. Podgorica - Bečići 2001.p 525-530
- A7. *Vulić A., Velimirović M.* Specification of Planetary Gears Tribological Process, Yugoslav Conference on Tribology JUTRIB 2001, Beograd, oktober 2001.
- A8. *Vulić A., Ivanov N.*: A 0.5 Power Wind Turbine Power Transmitter, VIII Sever symposium of transmitters - Proceedings. Subotica 3-4.10.2001
- A9. *Vulić A., Marinković Z., Marinković D.*: Planetary gearboxes family development of mechanisms for cranes motion, VIII Sever symposium of transmitters - Proceedings. Subotica 3-4.10.2001.
- A10. *Marinković Z., Mijajlović R., Vulić A.*: Parameter series size of the gearboxes mechanisms family designed for the cranes motion, VIII Sever symposium of transmitters - Proceedings. Subotica 3-4.10.2001, pp. 77 ÷ 82.
- A11. *Vulić A., Marinković Z., Velimirović M.*: Planetary Gearboxes Unification for Driving Mechanisms used in Transportation Machines , VI international scientific expert meeting "Source and power transmission - IPS '2001", 26-28. September. Podgorica - Bečići 2001. Proceedings pp 489-495.
- A12. *Marinković Z., Jovanović M., Vulić A.*: Development strategy of pipe valves famili of MIN-AGH , III scientific meeting constructing, forming and design of products". KOD-2002. Proceedings pp. 115 ÷ 122, Novi Sad, May 2004.
- A13. *Velimirović M., Vulić A.*: Program System "multired" and applying on wearing analysis of evolvent tooting, X Yugoslav conference "ŽELEŽNIČKO MAŠINSTVO" with international participation, Niš, 24-25. October 2002. Proceedings
- A14. *Kuzmanović S., Vulić A., Topić R., Miltenović A.*: Einfluss der Form und der Einbaulage auf die Wahl der Grosse von Universal Schneckengetrieben, International conference "POWER TRANSMISSIONS 03" GULGARIA, Varna 2003.
- A15. *Vulić A., Velimirović M., Stefanović-Marinović J.*: Power Transmitters Diagnostics, International conference "POWER TRANSMISSIONS 03" BULGARIA, Varna 2003.
- A16. *Marinković Z., Vulić A., Marinković D.*: Electro-Mechanical Drives of Butterfly Valves, International conference "POWER TRANSMISSIONS 03" GULGARIA, Varna 2003.

- A17. **Marinković Z., Vulić A., Dinić I.: Development of the Family of Worm Reduction Gears for Electro-mechanical Drives of Pipe Fittings**, 9. Sever symposium of transmitters "9.SEVER 03" - Proceedings. Subotica 3-11.10.2003. p.75-80
- A18. **Vulić A., Velimirović M.: Dinamic loading and tribological processes in driving Systems**, 8th International Conference on Tribology, Beograd, 2003.
- A19. **Velimirović M., Vulić A.: An Application of Geometry at Gear Design**, International conference on problems and trends of contemporary geometry, NAPLES (NAPULJ) 2003.
- A20. **Vulić A., Stefanović-Marinović J.: Defining the mathematical Model for Optimization of Planetary Gear Transmission**, Scientifically-expert meeting with international participation "Research and development of machine elements and systems" IRMES'2004, Proceedings, p.643 -648. 16.-17. September 2004. Kragujevac.
- A21. **Vulić A., Stefanović-Marinović J.: Optimization of Gear Transmissions**, 8th International Conference DEPENDABILITY AND QUALITY MANAGEMENT DQM-2005 " (DGM-2005), Beograd 2005, Proceedings p.429-435.
- A22. **Đurđanović M., Vulić A., Vulić I.: A Contribution to Application of the Mathematic Modeling Method for Prognosis of the Friction Coefficient Behaviour**, BALKANTRIB '05, 5th International Conference on Tribology, June 2005, Kragujevac, Serbia and Montenegro, pp 285-288.

B) SCIENTIFICLY FIELD WORKS (2000 – 2005)

- B1. **"Research and Development of New and Reviving of Existing MIN Holding Co System Product Program and Technologies"**, Scientifically-research project which is financed by Ministry of science and technology - Republic of Serbia. Project realisation 1998-2000. Project leader: PhD Dragoslav Stefanović.
- B2. **"Industrial Pipe Valves Optimization and Informatic Base Product Development"** Research project which is financed by Ministry of science and technology - Republic of Serbia. Evidential number: *MIS. 3.07.0079.A*. 2002-2004. Project leader: Prof. PhD Zoran Marinković (PhD. Vulić is Subproject leader).. Participant: MIN - AGH
- B3. **"Research and Development of Power Transmitter for Ship Winch Driving"**, Strategic scientifically-research project which is financed by Ministry of science and technology- Republic of Serbia. Evidential number: *MIS.3.03.0080.B*. Project realisation: 2002-2003. Project leader: Prof. PhD Aleksandar Vulić. Participant: MIN - FITIP
- B4. **"Research and Development of Planetary Multiplicator Gears Family for Power Wind Turbine Driving System"**, Strategic scientifically-research project which is financed by Ministry of science and technology - Republic of Serbia. Evidential number: *TR-6363A*. Project realisation 2005-2007. Project leader: Prof. PhD Aleksandar Vulić.
- B5. **"Development of Processing System for Peletering of Wunded Waste"**, National program of energy efficiency, evidential number: 251024, program of energy efficiency in industry .Project leader: Prof. PhD Vojislav Miltenović

C) PUBLISHED TECHNICAL BOOKS

- C1. **Vulić A., Tanasijević A., Planetary and Harmonic Power Transmitters-** Faculty of Mechanical Engineering, Niš,1994
- C2. **Tanasijević S., Vulić A., Mechanical Power Transmitters-**,Yugoslav Association for Tribology , Kragujevac,1994.
- C3. **Bogdanović B., Nikodijević D., Vulić A.: Hydraulic and Hydromechanic Power Transmitters**, Faculty of Mechanical Engineering, Niš,1998

C4.

D) ORGANIZATION OF SCIENTIFIC-EXPERT CONFERENCE

- D1. **“VIII Severov simpozijum o mehaničkim prenosnicima”**, Subotica, oktobar 2001. Member of Program Committee.
- D2. **“IX Severov simpozijum o mehaničkim prenosnicima”**, Subotica, oktobar 2003. Member of Program Committee.
- D3. **X Yugoslav conference "ŽELEŽNIČKO MAŠINSTVO" with international participation**, Niš, October 2000. Member of Program Committee.
- D4. **X Yugoslav conference "ŽELEŽNIČKO MAŠINSTVO" with international participation**, Niš, October 2002. Member of Program Committee.
- D5. **XI Scientific-expert conference on railways "RAILCON-04" with international participation**, Niš, 21-22. October 2004. Member of Program Committee.