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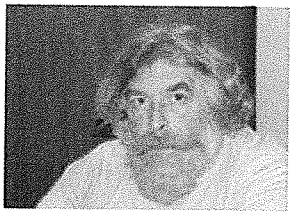
CURRICULUM VITAE: Milorad Vidovic



PERSONAL DETAILS:
Place and date of birth: Belgrade, Serbia, 10th March 1957
Marital status: Married, with one son

CONTACT DETAILS:
Milorad Vidovic
University of Belgrade
Faculty of transport and traffic engineering
Logistics department
11000 Belgrade, Serbia
Vojvode Stepe 305

tel. +381 11 3091 202
mob. +381 63 548 908
mvidovic@sf.bg.ac.rs
milorad.vidovic@gmail.com

EDUCATION:

1998 - Ph.D. in technical sciences (Transportation and logistics), Faculty of transport and traffic engineering University of Belgrade
1991 - M.Sc. in technical sciences (Transportation and logistics), Faculty of transport and traffic engineering University of Belgrade
1984 - B.Sc. on Faculty of transport and traffic engineering University of Belgrade

PROFESSIONAL ENGAGEMENT:

2011 - Professor at Logistics Department, University of Belgrade
2005 – 2011 Associate professor at Logistics Department, University of Belgrade
2004 – 2008 Visiting professor at Logistic Department of Izmir University of economics (month or two every year)
2000 – 2001 Visiting professor at Pusan National University (one year), Busan, and at the the Korea Advanced Institute of Science and Technology (one semester), Daejeon, South Korea
1998 - 2000 Assistant professor at Logistics Department University of Belgrade
1987 - 1998 Research and teaching assistant, University of Belgrade

Research interest

In general, my research interests includes the fields of logistics and transportation, reverse logistics and materials handling, particularly solving different real world combinatorial optimization problems, mostly by applying mathematical programming methods, meta-heuristics and simulation. Recently, research interest has been directed to reverse logistics networks (multilevel location routing problems), Inventory routing and routing problems (fuel distribution processes, and multimodal containers drayage problems), and Traveling repairman problems (the most general cases with multiple repairman and time windows).

Teaching

Currently, at Logistics Department I hold three courses for undergraduate students: "Materials handling", "Simulation of logistics systems", and "Reverse logistics". At the master level I teach "Operational planning of material handling processes", "Advanced methods in reverse logistics". At the PhD level, I teach "Supply chain modeling" and "Materials handling systems", and from this year, instead of "Supply chain modeling", "Selected topics in reverse logistics". I was supervisor on four defended PhD thesis, once co supervisor, and currently I am supervisor of two PhD theses which are close to finalization.

Recent research grants:

1. **Optimization of distribution and reverse flows in logistic systems**, Research grant: Ministry of Education, Science and Technological Development, Belgrade, Serbia, 2011-2015, research program in technological development, No. TR36006 - *principal investigator*
2. **Modeling approaches to minimizing risk in supply chains**, Research grant: Slovenia – Serbia bilateral scientific cooperation for the year 2015, No. 451-03-3095/2014-09/63 *principal investigator from the Serbian side*

3. **Optimization of Logistic Processes of the Secondary Distribution of Petroleum Products**, Research grant: Ministry of Education, Science and Technological Development, Belgrade, Serbia, research program in technological development, No. TR15018, 2008-2011, *principal investigator*
4. **Optimization of logistics processes in closed loop supply chain**, Research grant: Slovakia - Serbia bilateral scientific cooperation for years 2010-2011, No. 337-00-14/2010-01/16 *principal investigator from the Serbian side*
5. **Organization and optimization of logistics in Serbian petrol company**, Research grant: Ministry of Science and technological development, Belgrade, Serbia, 2005-2007, research program in technological development No. TD7048, *principal investigator*

Recent papers

1. M.Vidovic, B. Ratkovic, N. Bjelic, D. Popovic "A two-echelon location-routing model for designing recycling logistics networks with profit: MILP and heuristic approach", submitted to Expert Systems with Applications (2015)
2. M. Vidović, D.Popović, B.Ratković, G.Radivojević "Generalized mixed integer and VNS heuristic approach to solving the multi-size containers drayage problem", submitted to International Transactions in Operational Research (2015)
3. M. Vidović, D,Popović, B.Ratković, "Mixed integer and heuristics model for the inventory routing problem in fuel delivery" International Journal of Production Economics 147 (2014) pp.593–604
4. D. Popović, M. Vidović, N. Bjelić ,"Application of genetic algorithms for sequencing of AS/RS with a triple-shuttle module in class-based storage", Flexible Services and Manufacturing Journal, Vol 26, No.3, (2014), pp. 432-453
5. N. Bjelic, M. Vidovic, D. Popovic, "Variable neighborhood search algorithm for heterogeneous traveling repairmen problem with time windows", Expert Systems with Applications 40 (2013) pp.5997–6006,
6. D. Popović, M.Vidović, G.Radivojević "Variable Neighborhood Search heuristic for the Inventory Routing Problem in fuel delivery", Expert Systems with Applications 39 (2012), pp. 13390–13398
7. M. Vidovic, S. Zecevic, M. Kilibarda, J. Vlajic, N. Bjelic, S. Tadic "The p-hub model with hub-catchment areas, existing hubs, and simulation: A case study of Serbian intermodal terminals", Networks and Spatial Economics (Netw Spat Econ), (2011) 11:295–314,
8. M. Vidovic, B. Dimitrijevic, B. Ratkovic, V. Simic "A novel covering approach to positioning ELV collection points", Resources, Conservation and Recycling (Resour Conserv Recy) (2011),
9. M.Vidovic, B. Ratkovic, N. Bjelic, D. Popovic "Optimization of Recyclables Collection Processes", Operations and Supply Chain Management, Vol. 4, No. 2/3, May/September 2011, pp. 90-98
10. Vidovic, M., Kim, K.H. "Estimating the cycle time of three-stage material handling systems", Annals of Operations Research, Springer US, vol. 144, no. 1, 2006, pp. 181-200