



Associate Professor Marija Malenkovska Todorova, Ph.D.

1.0. BIOGRAPHY

- 1.1 Date of birth:** 18/08/1961
- 1.2 Title:** Ph.D. of Technical Sciences in the field of Traffic and Transport
- 1.3 Education and degrees:** **1984** Bachelor degree in Traffic Engineering, University St. Kliment Ohridski, Faculty for Technical Sciences, Bitola,
1994 Masters Degree of Technical Sciences, University in Belgrade, Faculty for and Transport and Traffic Engineering, Belgrade,
2000 Ph. D. degree of Technical Sciences-field Traffic and Transport, University in Belgrade, Faculty for Traffic and Transport Engineering, Belgrade,
- 1.4 Professional experience:** **1896-1987** TRANSKOP, transport company, planning and analytical official
1987-2000 University St. Kliment Ohridski, Faculty for Technical Sciences, Bitola, teaching assistant,
2000-2005 University St. Kliment Ohridski, Faculty for Technical Sciences, Bitola, assistant professor,
2005-until now University St. Kliment Ohridski, Faculty for Technical Sciences, Bitola, associate professor,
2002-2006 University St. Kliment Ohridski, Faculty for Technical Sciences, Bitola, vice dean for teaching,
2008- University St. Kliment Ohridski, Bitola, member of University Senate,
- 1.5. Foreign languages:**
(Common European Framework of References, CEF level)

Language	Reading	Speaking	Writing
English	C1	B2	C2

- 1.6. Professional competences:** traffic engineering and design; traffic design of road infrastructure;

1.7. Courses held:

UNDERGRADUATE LEVEL: four years study programme:

Principles of Traffic Flow Theory, Principles of Highway Engineering,

Highway Operations, Evaluation Fundamentals in Road Network Operation,

Principles of Road Traffic, Spatial Planning and Airports Infrastructure, part of the Airports Infrastructure,

three years professional study programme:

Road Highways, Traffic Network Operations,

GRADUATE LEVEL:

Modelling of Traffic Flow,

2.0. ACADEMIC VISITS

2007: Faculty of Engineering, Department of Technology and Society, Traffic and Road, Lund University, Sweden, Royal Institute of Technology, Stockholm, Sweden, Department for Urban Planning and Environment, Division for Transportation and Logistics, Linköping University, Department of Science and Technology, Sweden.

3.0. ARTICLES, CONFERENCES AND SEMINARS

3.1. M.A thesis and Doctoral Dissertation:

Field: Traffic and Transport

M.A thesis:

“The contribution to the proceedings for evaluation of the road network maintenance programmes”, Faculty for Traffic and Transport Engineering, Belgrade, 1994

Doctoral Dissertation:

“The contribution to the research of the impact of traffic flows directional distribution on the highway sections practical capacity”, Faculty for Traffic and Transport Engineering, Belgrade, 2000.

3.2. Scientific, research and professional projects, studies, reports, projects in high education area:

“Feasibility study on traffic and economic justification of carriageway rehabilitation for particular sections of magistral road Kicevo-Botun”, Granit Skopje and Institute of Faculty for Traffic and Transport Engineering, Belgrade, 1994.

“Feasibility study on traffic and economic justification of construction highway of particular section Tetovo – Gostivar, Granit Skopje and Institute of Faculty for Traffic and Transport Engineering, Belgrade, 1994.

“Protection of the environment against harmful traffic impact: planned, economical and legal aspects”, SCIENTIFIC RESEARCH PROJECT, Ministry of Education and Science of Republic of Macedonia, 1997 – 2000, with Krstanoski Nikola et al

“Project of the main area of town of Bitola traffic regime”, Public Firm for Spatial and Urban plans, Skopje, 1999, with Krstanoski Nikola et al.

“Transport and Environment: A Multi-County Approach. European Commission For Environment” PHARE Project N4058.01.001, 1999 with Krstanoski Nikola et al.

“Implementation of ECTS on the University “St.Kliment Ohridski”, TEMPUS-PHARE, UM JEP-15058-2000, with Elizabeta Bahtovska et al.

“Development of the traffic flow simulation model on two-lane highways in dependence on roadway, traffic and weather conditions”, SCIENTIFIC RESEARCH PROJECT, Ministry of Education and Science, Republic of Macedonia, 2001 – 2004 **Principal Investigator**

“Public Transport on Call: Possibilities of Implementation in Macedonia” SCIENTIFIC RESEARCH PROJECT, Ministry of Education and Science, Republic of Macedonia, 2001–2003, with Krstanoski Nikola et al.

“Logistics approach in the process of solving the contemporary transport problems (Macedonian potentialities), SCIENTIFIC RESEARCH PROJECT, Ministry of Education and Science, Republic of Macedonia, 2001–2003, with Dukoski Ivo et al.

“Feasibility study of construction highway Bor – Zajecar”, Belgrade, 2001, with Ljubisa Kuzovic et al.

“Feasibility study on traffic and economic justification of carriageway rehabilitation for particular sections of magistral roads in Federation of Bosnia and Herzegovina”, Faculty of Civil Engineering, Sarajevo, 2001, with Ljubisa Kuzovic et al.

“Feasibility study on traffic and economic justification of carriageway rehabilitation for particular sections of magistral roads in Republika Srpska”, Faculty of Civil Engineering, Sarajevo, 2001, with Ljubisa Kuzovic et al.

“Prefasibility study for road sections and new bridge across river Ibar in city Kraljevo”, CEPT, Belgrade, 2002, with Ljubisa Kuzovic et al.

“Bijeljina bypass feasibility study”, Urbanism Bureau of the Republic of Srpska, Banja Luka, Republic of Srpska, 2002, with Ljubisa Kuzovic et al.

“Feasibility study of the south bypass in city Kragujevac”, Urbanism Bureau of Kragujevac, 2003, with Ljubisa Kuzovic et al.

Expert’s traffic accident investigation report, 2002, with N. Krstanoski et al.

“Prefasibility study highway links from R.101-M.19 to the bridge under construction across river Sava to Obrenovac-Belgrade bypass”, VIA-PROJEKT, Belgrade, 2003, with Ljubisa Kuzovic et al.

“Exchange of best practices in establishing ECTS” TEMPUS-CARDS SCM Training project, COO6BO3-2003, with Elizabeta Bahtovska et al.

“Planning of traffic and transport infrastructure for the Prespa – Ohrid Region”, Agency for Spatial Planning of Republic of Macedonia, Skopje, March 2006 with N.Krstanoski.

“Traffic management and control of the north entrance in Bitola”, Municipality of Bitola, March 2006 with N. Krstanoski et al.

”Upgrading of a system for quality assesment at the University St.Kliment Ohridski in Bitola”, TEMPUS-CARDS Project SM_SCM-CO22A06-2006, with Bozin Donevski et al.

”The development of the dynamic tool for bimodal analysis of the urban streets level of service,” ”, SCIENTIFIC RESEARCH PROJECT, Ministry of Education and Science, Republic of Macedonia, 2007,**Principal Investigator** – application is under way.

3.3. Selected reviewed references published in proceedings and journals: (since 1994)

Malenkovska Todorova M.: “SYSTEMS FOR EVALUATION OF THE ROADNETWORK MAINTENANCE PROGRAMMES”, Proceedings, Faculty of Technical Sciences, Bitola, 1996 pp (275 – 285). ISBN 786-01

Malenkovska Todorova M.: “COST MODELS REVIEW IN THE FRAME FOR ROADNETWORK MAINTENANCE SYSTEMS”, Proceedings, Faculty of Technical Sciences, Bitola, 1996 pp (275 – 285). ISBN 786-01

Krstanoski, N. & Malenkovska-Todorova M.: “GREENHOUSE GAS EMISSIONS FROM TRANSPORT SECTOR IN REPUBLIC OF MACEDONIA OVER THE PERIOD OF 1990 TO 2000”, Croatian Scientific Society for Transportation, Conference proceedings, Opatija, 18 – 19 April 2002. ISSN 0351-1898

Malenkovska Todorova M & Mitrovski C.: “ THE ANALYSIS OF THE BASIC VARIABLES OF THE TRAFFIC FLOW ON TWO-LANE HIGHWAYS IN DEPENDENCE OF THE DIRECTIONAL DISTRIBUTIONS”, XII International Conference “Transport 2002” , Sofija, 2002 (pp 25 – 29).

Kuzovic Lj, Glavic D, Malenkovska Todorova M, Aleksic, B.: “TREATMENT OF BASIC PARAMETERS OF TRAFFIC FLOW AT SATURATED FLOW IN THE ANALYSIS OF THE PRACTICAL CAPACITY AND LEVEL OF SERVICE ON HIGHWAYS”, Road and traffic, Belgrade, 2002 (pp 3 – 11). YU ISSN 0478 - 9733

Malenkovska Todorova M.: "TEMPORAL DISTRIBUTIONS OF TRAFFIC FLOW IN SPACE AND IN TRAFFIC LANES", Proceedings, Faculty of Technical Sciences, Bitola, 2004 pp (215 – 225).

Krstanoski N. & Malenkovska Todorova M.: NEW TRANSPORT AND TRAFFIC ENGINEERING CURRICULUM AT THE UNIVERSITY „ST. KLIMENT OHRIDSKI” IN BITOLA, MACEDONIA – 9th International Scientific Conference MOBILITA 04, Bratislava, 2004,

Malenkovska Todorova M., Bunevska J.: "TEMPORAL DISTRIBUTIONS OF TRAFFIC FLOW IN SPACE AS A FACTOR OF IMPACT ON THE PRACTICAL CAPACITY OF HIGHWAY SECTION", Road and traffic, Belgrade, 2004 pp (19 – 23) YU ISSN 0478 - 9733

Malenkovska Todorova M.: "THE DEPARTMENT OF TRANSPORT AND TRAFFIC ENGINEERING AT THE FACULTY OF TECHNICAL SCIENCES IN BITOLA – THE ONLY EDUCATIONAL AND RESEARCH CENTRE IN THE FIELD OF TRANSPORTATION ENGINEERING IN REPUBLIC OF MACEDONIA" - International Scientific Symposium "Faculties and Studies of Transport and Traffic Engineering in Europe, Zagreb, 2005, (pp 135 – 142). ISBN 953-154-671-1

Mitrovski C., Malenkovska Todorova M., Bunevska J.: "MICROSCOPIC SIMULATION MODEL OF TRAFFIC FLOWS ON TWO-LANE HIGHWAYS", Road and Traffic, Belgrade, 2005 pp (43 – 49). YU ISSN 0478 – 9733

Bunevska, J., Malenkovska Todorova M.: „MODELS OF THE RELATIONSHIP BETWEEN THE BASIC FLOW PARAMETERS AT THE M-5 HIGHWAY-SPECIFIC UPGRADE", Croatian Scientific Society for Transportation, Conference proceedings, Opatija,, 27-28 April 2006, Croatia pp (82– 86). ISSN–10 961–6044-80-X

Bunevska, J., Malenkovska Todorova M.: „SAFETY LEVEL OF SERVICE MEASURES OF EFFECTIVENESS AND THE HIGHWAY CAPACITY MANUAL: A CASE STUDY", 8th Symposium with international participation, "Prevention of traffic accidents on roads 2006", Novi Sad, 2006, pp.(155-160).

Bunevska, J., Malenkovska Todorova M.: „MODELS OF THE RELATIONSHIP BETWEEN THE BASIC FLOW PARAMETERS AT THE M-5 HIGHWAY IN AVERAGE ROAD, TRAFFIC AND AMBIENTAL CONDITIONS", Road and traffic, No 3, Belgrade, 2006 pp (12 – 19). YU ISSN 0478 – 9733

Malenkovska Todorova M., & Krstanoski, N.: "FACULTY OF TECHNICAL SCIENCES IN BITOLA AND EUROPEAN DIMENSION OF THE NATIONAL HIGHER EDUCATION SYSTEM", International Scientific Symposium "Role of Transport Sciences Faculties in European Transport System Development, Sarajevo, 2006, (pp 139 – 151). ISBN 9958-619-12-1

Bunevska, J., Malenkovska, T.M.: „SPEED-FLOW REGRESSION MODELS FOR INTERRUPTED TRAFFIC STREAM: A CASE STUDY”, 10th International conference on traffic science, ICTS 2006, Transportation and Globalization, Slovenia. ISBN–10 961–6044-80-X

Malenkovska Todorova M., Bunevska, J.: “THE CONTRIBUTION TO THE ANALYSIS OF THE TWO-LANE HIGHWAYS CAPACITY AND LEVEL OF SERVICE“ Road and traffic No 4, Belgrade, 2007 (34 – 38). YU ISSN 0478 - 9733

Bunevska, J., Malenkovska, Todorova M., Dukoski, I.: “DEVELOPMENT OF A BI-MODAL METHODOLOGY FOR URBAN STREETS FUNCTIONAL CLASSIFICATION AS URBAN PLANNING CONTRIBUTION”, Modern Traffic, Vol.28, No3-4, ISBN 0351-1898, Zagreb, 2008, pp.171-174.

Malenkovska Todorova M., Bunevska, J.: ”EFFECTS OF IMPROVED MANAGEMENT OF TRAFFIC FLOWS ON SUSTAINABLE ROAD SAFETY”, International Scientific Journal Transport Problems, Katowice, 2008.

Manceski G., Malenkovska Todorova M.: “MANAGEMENT OF ROAD NETWORK DEVELOPMENT IN REPUBLIC OF MACEDONIA- A CASE STUDY”, Croatian Scientific Society for Transport, Opatija 2009.

3.4. Presentations:

Malenkovska Todorova M.: “ECTS AS A MEASURE FOR EFFICIENCY INCREASING IN STUDYING PROCESS,” University Conference “University in the Centre of High Education reforms”, University “St.Kliment Ohridski”, Bitola, 2004.

Malenkovska Todorova M.: VALIDATION OF ACADEMIC PROGRAMMES, THE EXPERIENCES FROM THE UNIVERSITY COLLEGE CORK, IRELAND, Workshop "Quality Assurance in Higher Education, Faculty of Technical Sciences, Bitola, June 2007.

4.0. OTHER ACTIVITIES

4.1. Supervisor of master thesis, and member of the commission for approving the papers:

Supervisor of M.S. paper:

“THE CONTRIBUTION TO THE METHODOLOGIES FOR THE ANALYSIS OF THE URBAN HIGHWAYS LEVEL OF SERVICE”, candidate Jasmina Bunevska, Faculty of Technical Sciences, Bitola, 2006.

Member of the commission for approving the doctoral thesis:

“DEVELOPING A STRATEGY FOR OPTIMAL ADAPTIVE CONTROL OF FREEWAY ACCESS”, candidate Konstandina Veljanovska, Faculty of Technical Sciences, Bitola, 2008

Member of the commission for approving the M.S. papers:

“CONTRIBUTION TO THE INVESTIGATION OF TIME DELAYS AND PRIORITY SYSTEMS IN PUBLIC TRANSPORT ON SIGNALIZED INTERSECTIONS”, candidate Pero Stefanovski, Faculty of Technical Sciences, Bitola, 2002.

“INTELLIGENT FARE COLLECTION SYSTEMS IN PUBLIC TRANSPORT: POSSIBILITIES FOR APPLICATION IN REPUBLIC OF MACEDONIA”, candidate Zoran Pejcinovski, Faculty of Technical Sciences, Bitola, 2004.

“LOCATION OF THE INDUSTRIAL CAPACITIES, SUITABLE LOCATION IN MUNICIPALITY OF BITOLA”, candidate Zoran Kulevski, Faculty of Technical Sciences, Bitola, 2005.

4.2. Reviews:

Dukoski I.: “GARAGES AND SERVICE STATIONS”, secondary school textbook for traffic and transport profession, Prosvetno delo, Skopje, 1995.

Dukoski I., Bunevska J.: “MANUAL FOR PLANNING AND MANAGEMENT OF FREIGHT TRANSPORT” Faculty of Technical Sciences, Bitola, 2007.

4.3. Member of University Senate, University working groups, Faculty Commissions and International Programming Council

- **2002:** Member of the Home Institution Self Assessment Commission,
- **2007:** Member and President of the Home Institution Self Assessment Commission,
- **2008:** Member of the University Evaluation Working group,
- **2007:** Member of the International Programming Council of International Scientific Journal “Transport Problems” Silesian University of Technology, Faculty of Transport, Katowice, Poland,
- **2008:** Member of University Senate,
- **2008:** Member of the National Ministry of Education and Science Commission for Education, Prevention and Safety of Traffic,

4.4. Membership of professional bodies:

Macedonian Association of Traffic Engineering and Technicians,
Croatian Scientific Society for Transportation,
Macedonian Scientific Society - Bitola
Macedonian Road Engineering Society