

# SOTIR PANOVSKI

## PERSONAL INFORMATION

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- Family: spouse – Sebaat Panovska, daughters – Jasmina 1977 and Daniela 1979
- Nationality: Macedonian
- Date of Birth: October 16, 1949
- Place of Birth: Bitola, R. Macedonia

## EDUCATION

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- 1986 Ph.D. in Technical Sciences, Fac. of Mechanical Engineering University “Sts. Cyril and Methodius”, Skopje, R.Macedonia
- 1974 - 1978 MS in Technical Sciences, Faculty of Mechanical Engineering University of Belgrade, Belgrade, YU
- 1968 - 1974 BS in Mechanic Eng., Fac. of Mechanical Eng., Belgrade, YU
- 1968 High School, Bitola

## PROFESSIONAL EXPERIENCE - FULL TIME

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- 1997 - Professor of Hydraulics, Hydraulics Machines and Hydro Power Plants, and Control Systems, Faculty of Technical Sciences, Univ. “St. Clement of Ohrid”, Bitola, Macedonia
  - 1996 – Professor of Material Handling, Faculty of Technical Sciences, Univ. “St. Clement of Ohrid”, Bitola, Macedonia
  - 1991 – 1997 Professor, Faculty of Technical Sciences, Univ. “St. Clement of Ohrid”, Bitola, Macedonia
  - 1986 - 1991 Associate Professor, Faculty of Technical Sciences, Univ. “St. Clement of Ohrid”, Bitola, Macedonia
  - 1982 - 1986 Senior Lecturer, Faculty of Technical Sciences, Univ. “St. Clement of Ohrid”, Bitola, Macedonia
  - 1979 - 1982 Lecturer, Faculty of Technical Sciences, Univ. “St. Clement of Ohrid”, Bitola, Macedonia
  - 1978 – 1979 Junior Dipl. Mech. Engineer, Supervisor and Designer at Thermal Power Plant REK - Bitola, Macedonia
  
  - 1993 - 1995 Professor in Postgraduate Studies in Control Systems in Processes Engineering, Faculty of Technical Sciences, Univ. “St. Clement of Ohrid”, Bitola, Macedonia
  - 1995 - 1997 Professor in Postgraduate studies in Control Systems of Areas in Thermal Turbines, Steam Generators, Heating and Air Conditioning, Compressors, Cooling Systems and Hydraulics Transport, Faculty of Technical Sciences, Univ. “St. Clement of Ohrid”, Bitola, Macedonia
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## REFERENCES

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1997 – 1999	Dean of the Faculty of Technical Sciences, Bitola
1995 –	Head of the Institute of Thermotechnics and Hydraulics at the Faculty of Technical Sciences in Bitola
1988 – 1990	Head of the Dept. of Mechanics at the Faculty of Technical Sciences , Bitola
1989 – 1991	Vice Chancellor at the University of Bitola
1982 - 1884	Vice Dean at the Faculty of Technical Sciences, Bitola

## PROFESSIONAL MEMBERSHIPS

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DNU - Society of Arts and Science - Bitola, Macedonia  
GAMM - Gesellschaft fur angewandte mathematik und mechanik, Deutschland  
ZEMAK – Society of Engineers of Macedonia

## LANGUAGES

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Macedonian, Serbian, Croatian (Fluent), English (Understand), Bulgarian, Russian (Read)

## COMMUNITY ACTIVITIES

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1993 – 1997 President of DNU - Society of Arts and Science - Bitola, Macedonia  
1998 - 2000 Councillor of the Municipality of Bitola

## INTERESTS AND ACTIVITIES

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Hydraulics, Hydraulic Machines, Hydro Power Plants, Water Supply Treatment, Storage, Pumping and Distribution, Wastewater Collection, Treatment, Disposal and Reuse.

## AWARDS RECEIVED

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4<sup>th</sup> November - City of Bitola Award 1986

## HOBBIES

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Sciing, Hunting and Fishing

## PUBLICATIONS, PROJECTS, ETC.

### I. PhD Thesis and Master`s Thesis

1. 1986, *Theoretical and Experimental Research on the Flow trough Cross-Flow Turbines of the type Banki*, Ph.D. in Technical Sciences, Faculty of Mechanical Engineering University “Sts. Cyril and Methodius”. Skopje, R.Macedonia.
2. 1978, *The Analysis of the Controlability and Observability of Hydroelectric Power stations*, Master`s thesis, Faculty of Mechanical Engineering University of Belgrade, Belgrade, FR Yugoslavia.

### II. European`s Projects

1. 2001, Main Researcher: *Prefeasibility Study into the Use of the Hydroelectric Energy Potential of Small Hydro Power Plants in the Region Mariovo*, Project of Programme for Cross-Border Cooperation and the Small Project Fund of European Union, PHARE 98SPF/15.

2. 1998-1999, Coordinator of TEMPUS (European Community Programme-Trans European Cooperation Scheme for Higher Education) Compact Measure: CME--03573-97, "Study into the Restructuring of Math-Engineering Education". Host institution: Faculty of Technical Science with EU partners Coventry University, Coventry, UK and Ales School of Mines, Nimes, France.

### III. Publications, Projects etc in Overseas

1. Panovski S., Janevska G., Cvetanoski R., 2006, *Small Hydropower Plants in Republic of Macedonia Situation and Possibilities*, Conference Hydroenergia 2006, Crieff, Scotland, UK (in English).
2. Stojanovski V., Panovski S., Bocevskaja A., 2004, *A new detector cable solution for fire protection of the energy transformers in TPP "Oslomej" – Kicevo*, International Symposium POWER PLANTS 2004, Vrnjaska Banja, SR Yugoslavia (in Serbian).
3. Panovski S., Risteovski S., 2004, *Mushroom cutting machine*, 18. International Process Industry Congress PROCESING 2004, Beograd, PROCESS TECHNIQUE 2-3 pp.213-214 (in Serbian).
4. Panovski S., Anastasov Lj., 2002, *Feasible Small Hydropower Plants in a Region of FYROM*, 3<sup>rd</sup> Mediterranean Conference and Exhibition on Power Generation, Transmission, Distribution and Energy Conversion, Athens, Greece (in English).
5. Panovski S., Janevska G., 2002, *System of Protecting the Lake Ohrid from Waste Water with View of the Filter Press for Dehydration of the Sludge*, 23th Yugoslav` s Consultation of Water Supply and Drainage `02 Mataruska banja, FR Yugoslavia, Proceeding pp. 70-76 (in Serbian).
6. Panovski S., Stojanovski V., Janevska G., 2000, *System for Protecting Lake Ohrid from Waste Water with Special Emphasis on the Waste Water Purification Station*, Symposium PROCESSING 2000, Beograd FR Yugoslavia; Procesna tehnika, 2-3, pp. 153-155 (in Serbian).
7. Panovski S., Janevska G., 1998, *Consistent Application of the International Standard ISO-31-4-Heat*, Days of Science of the R. of Macedonia and the R. Bulgaria, Varna, Bulgaria, Proceedings pp. 521-532 (in Macedonian).
8. Stojanovski V., Fahlberg-Stojanovska L., Panovski S., 1998, *Successful management of Engineering Faculties under changing political and economic conditions*, Proceedings of Global Congress of Engineering, Education, UICEE, Cracow, Poland (in English).
9. Nedelkovski I. Donevski B., Panovski S., Stojanovski V., 1998, *Computational Simulation of Steam Flow and Heat Transfer in Power Plant Condensers Using Finite Element Method*, Fourth Ecomas Computational Fluid Dynamics Conference, Athens, Greece (in English).
10. Nedelkovski I., Panovski S., 1998, *Three-Dimensional Model of Steam Flow and Heat Transfer in Power Plant Condensers*, Annual GAMM (Gesellschaft für Angewandte Mathematik und Mechanik) `98 Conference, Bremen, Germany (in English).
11. Panovski S., Nedelkovski I., 1998, *Expert system for Optimization of work of Power Plants Cooling System*, Annual GAMM (Gesellschaft für Angewandte Mathematik und Mechanik) `98 Conference, Bremen, Germany (in English).
12. Panovski S., 1997, *Estimating Optimal Working Regime of Power Plant Cooling System Taking in Consideration Faktor "Energetic System"*, Annual Scientific Conference GAMM (Gesellschaft für Angewandte Mathematik und Mechanik) `97, Regensburg (in English).
13. Panovski S., Iloska B., 1997, *Environment Protection from Waste Water in Thermo Power Plant-Bitola*, Symposium PROCESSING `97, Beograd FR Yugoslavia (in Serbian).
14. Panovski S., 1997, *Concerning the Consistent Use of the International Standard for Quantities, Units and Symbols in Mechanics*, XXII Yugoslav Congress of Theoretical and Applied Mechanics - YUMEH '97, Vrnjaska banja, FR Yugoslavia (in Serbian).
15. Panovski S., Nedelkovski I., 1996, *Expert system for Optimization of work of Power Plants Cooling System*, Simpozium PROCESING `96, Beograd FR Yugoslavija, Proceedings Procesna tehnika pp. 228-230 (in Serbian).
16. Panovski S., Nedelkovski I., 1996, *Example for disagreement of definition of the vacuum with actual vacuum measurements in condensers of PP "Bitola"*, Procesna tehnika, Vol. 17, No 3-4, Belgrade, pp 85-87 (in Serbian).
17. Panovski S., Fahlberg-Stojanovska L., 1995, *Concerning the Consistent Use of the International Standard for Quantities, Units and Symbols in Mathematics*, The Third International Congress on Industrial and

- Applied Mathematics – ICIAM '95, Habsburg, Germany, ZAMM, Akademie Verlag, Volume 76 (1996), Supplement 3, pp.527-528 (in English).
18. Panovski S.,1995, *Controlability and Observability of Hydro Electric Power Plant Instalation*, The Third International Congres on Industrial and Applied Mathematics – ICIAM '95, Habsburg, Germany (in English).
  19. Nedelkovski I., Donevski B., Panovski S.,1994, *Overal Heat Transfer Coeficient of Power Plants Condensers*, Annual Scientific Conference of the Society of Applied Mathematics and Mechanics – GAMM, Braunschweig, Germany, ZAMM 75 S II, Academie Verlag, Berlin, (1995), pp. 501-502 (in English).
  20. Panovski S., Nedelkovski I.,1994, *Mathematical Method for Estimating the Optimal Work of Thermal Power Plants Cooling System*, Annual Scientific Conference of the Society of Applied Mathematics and Mechanics – GAMM, Braunschweig, Germany, ZAMM 75 S II, Academie Verlag, Berlin, (1995), pp. 503-504 (in English).
  21. Panovski S., Nedelkovski I.,1994, *Energy Saving by Regulation of Work of Power Plants Cooling System*, Proceedings 39<sup>th</sup> Annual Conference KoREMA, Zagreb, R. Croashia, pp. 371-375 (in Croatien).
  22. Nedelkovski I., Panovski S.,1994, *Needs for Introduction New Methods for Estimating Power Plants Heat Exchangers*, Proceedings 39<sup>th</sup> Annual Conference KoREMA, Zagreb,R. Croashia, pp.392-396 (in Croatien).
  23. Panovski S.,1994, *Estimating Optimal Working Regime of Power Plant Cooling System*, Symposium Thermohydraulics '94, Faculty of Mechanical Engineering University of Beograd, FR Yugoslavia, Proceedings, pp. C7.1-C7.5 (in Serbian).
  24. Panovski S., Nedelkovski I., Joshevski C., 1994, *Rectification of Equipment for Measuring the Flow in the Regional System for Water Supply "Studencica"*, Proceedings of the 11<sup>th</sup> Symposium of Hydraulics and Hydrology, Belgrade, pp. 286-289 (in Serbian).
  25. Panovski S., Stojanovski V., 1994, *Measuring and Squire the Flowthe Water for Thermo Power Plant "Bitola" from the Hydrosystem "Stredzevo"*, Proceedings of the 11<sup>th</sup> Symposium of Hydraulics and Hydrology, Belgrade, pp. 290-295 (in Serbian).
  26. Panovski S., Sterjovski A.,1994, *Some Measure Unites – in the Past and Today on the Balkan, 1993*, The International University Seminar for Balkanistic Studies and Specializations the Balkan Persons: Historical and Art Existens, The Third International Round Table Discussions, Bansko R. Bulgaria, Proceedings „Prilozi“, pp. 109-118 (in Macedonian).
  27. Panovski S.,1993, *A Theoretical View of the Flow through a Cross-flow Water turbine and its Efficency Characteristics*, Annual Scientific Conference of the Society of Applied Mathematics and Mechanics – GAMM, University of Dresden, Germany (in English).
  28. Panovski S.,1992, *A Theoretical View of the Flow through a Cross-flow Water turbine Type Banky*, Symposium Contemporary Problems of Fluid Mechanics, Faculty of Mechanical Engineering University of Belgrade, Proceedings pp. 349-357 (in Serbian).
  29. Panovski S., Stojanovski V.,1991, *Project of Small Hydro Power Plant "Dovledjik"-Multy Assignment Use of Pumpline*, VIIth Yugoslav Consultation for Small Hydro Power Plants, Priboj, FR Yugoslavia (in Serbian).
  30. Panovski S., Stojanovski V.,1988, *Numerical Analysis of Complex Pipe System with two Pumps connected in parallel*, Symposium "Water-Use Data Water Resources Management", American Water Association of Arizona, USA, Proceedings pp. 774-786 (in English).
  31. Panovski S., Nikolovski N.,1988, *Practical Solution to One Problem during the Measermnt, Signalization and Prevention of Low Vacuum in the Condensators at the Thermo Power Plant "Bitola"*, Xth Symposium on Measurement, Jugoslav Societe of Regulation, Measurement and Control, Zagreb, Croatia, (in Croatien).
  32. Panovski S.,1985, *An Example of a Simple Determination of the Energy Characteristics of the Location for the Building of Small Hdroletric Power Plants*, Consultation "Faster Use of the Hydro-energy Potential in Yugoslavia", Bajina Bashta, Yugoslavia, Proceedings pp. 359-364, (in Serbian).
  33. Panovski S.,1984, *Theoretical Basics of the Cross-Flow Turbines of the Type "Banki"*, Technics 33, Belgrade, FR Yugoslavia, pp.1347-1351 (in Serbian).
  34. Panovski S.,1984, *Theoretical Basics of the Cross-Flow Turbines of the Type "Banki"*, IV Yugoslavian Consultation "Energy Uses of Small Hydroelectric Power Plants, Arangjelovac, Proceedings pp.1347-1351 (in Serbian).

35. Panovski S.,1980, *Controlability and Observability of Hydro Electric Power Plant Instalation*, Scientific Conference JUREMA 25, Zagreb, R. Croatia, Proceedings, part I, pp. 69-73 (in Croatian).
36. Panovski S.,1979, *Supplemental Studies in the Controlability and Observability of the Hydroenergetic Systems*, Technics, Belgrade, 3, pp. 417-420 (in Serbian).
37. Panovski S.,1979, *The Contolability and Observability of the Steam Turbine K-200-130-3*, Electro-economy, Belgrade, 3-4, pp. 71-76 (in Serbian).

#### IV. REFERENCES PUBLISHED IN MACEDONIA

##### 4.1. Books

1. Panovski S., 2006, *Automatic Control Systems*, University St. Kliment Ohridski, Faculty of Technical Sciences, Bitola, ISBN 9989-785-79-1, Text Book.
2. Panovski S., 2004, *Handling Operations*, University St. Kliment Ohridski, Faculty of Technical Sciences, Bitola, ISBN 9989-785-66-X, Book of Solved Problems.
3. Panovski S., Sretenovic., 2002, *Materials Handling*, University St. Kliment Ohridski, Faculty of Technical Sciences, Bitola, Book, ISBN 9989-786-30-5.
4. Panovski S., Janevska G., 2001, *Automatisation, Measurement and Regulation*, University St. Kliment Ohridski, Faculty of Biotechnical Sciences, Bitola, Authorized Lecture Notis.
5. Panovski S., 1997, *Hydraulic Power Plants – Part I Pump Stations*, University St. Kliment Ohridski, Faculty of Technical Sciences, Bitola, Authorized Lecture Notis.
6. Panovski S., 1993, *Quantities, Units and Symbols – International Standard ISO – 31*, Societe of Sciences and Art, Bitola.
7. Panovski S., Control Theory, 1990, University St. Kliment Ohridski, Faculty of Technical Sciences, Bitola, Authorized Lecture Notis.
8. Panovski S., 1988, *Hydraulics and Hydraulic Machines*, University St. Kliment Ohridski, Faculty of Technical Sciences, Bitola, II Edition, Text Book.
9. Panovski S., 1982, *Hydraulics and Hydraulic Machines*, University of Bitola, Faculty of Technical Sciences, Bitola, Text Book.
10. Panovski S., 1982, *A Parallel Look at Symbols and Units for Physical Quantities*, Faculty of Technical Sciences, Bitola, Hand Book.
11. Shekerdzi D.,Stojanovski P., Panovski S., 1981, *Almanac: 20<sup>th</sup> Faculty of Technical Sciences*, Bitola.
12. Temelkovski D., Panovski S., Vucovski Dz., 1981, *The International System of Units – SI*, Education Act, Skopje, Book.
13. Panovski S., 1979, *Manual for Application of the International System of Units – SI*, Faculty of Technical Sciences, Bitola, Hand Book.

##### 4.2. Reports of Books

1. Panovski S., 2003, *Technical Drawing and Computer Aided Design (CAD)*, from Authors: Vitomir Stojanovski and Andrijana Bocevska, Faculty of Technical Sciences, Bitola.
2. Panovski S., 2003, *Solved Problems in the field of transportation systems and transportation through pipelines*, from Authors: Vitomir Stojanovski and Kire Popovski, Faculty of Technical Sciences, Bitola.
3. Panovski S., 1999, *Fluid Mechanics*, from Author Mijakovski I., Faculty of Technical Sciences, Bitola.
4. Panovski S., 1995, *Pumps – Pipelines Systems, Solved Problems*, from Author Mijakovski I., Faculty of Technical Sciences, Bitola.
5. Panovski S., 1995, *Fluid Mechanics-Solved Problems*, from Author Mijakovski I.,Kiro Dandaro, Bitola.

##### 4.3. Science – Research Projects

1. Panovski S., - Coordinator and Main Researcher, January-November 2004, *Mushroom cutting machine*, Innovation Project co-financed by the Ministry of Education and Science, Republic of Macedonia.
2. Panovski S., - Coordinator and Main Researcher, 2003-2006, *Let's build a SHPP*, Project financed by the Ministry of Education and Science, Republic of Macedonia.

3. Panovski S., - Coordinator and Main Researcher, 1999-2002, *Small Hydro Power Plants in Macedonia*, Project financed by the Ministry of Science.
4. Panovski S., - Co-researcher, 1996-1999, *Computerized Control of the Processes within a Gas Pipeline System*, Project financed by the Ministry of Science.
5. Panovski S., - Co-researcher, 1994-1997, *Thermo Power Plants and the Environment*, Project financed by the Ministry of Science, Macedonian Academy of Science and Art, Acad. Pop Jordanov - Coordinator.
6. Panovski S., - Coordinator, 1994-1996, *Optimisation of the Cooling System of Condenser Steam Turbines*, Project financed by the Ministry of Science.
7. Panovski S., - Coordinator and Main Researcher, 1992-1995, *Prototipe Small Hydro Power Plants with Cross-flow Water turbine – Research, Nomenclature and Proposal for Production*, Project financed by the Ministry of Science.
8. Panovski S., - Coordinator and Main Researcher, 1987-1990, *Theoretical and Experimental Research of Flow through the Cross-flow Water Turbine of Types Banki and Water Wheel*, Project financed by the Ministry of Science.
9. Panovski S., - Coordinator and Main Researcher, 1982-1985, *Mathematical Modeling of Power Plants*, Project financed by the Ministry of Science.

#### **4.4. Co-Mentor, Examiner for Doctorate and Masters degrees, Supervisor on numerous postgraduate degrees**

1. Co-mentor for Doctorate, 1997, *Computer Simulation of Flow and Heat Transfer in Power Plant Condensers by Finite Element Method*, Candidate Nedelkovski I., Mentor -Donevski B., University St. Kliment Ohridski, Faculty of Technical Sciences, Bitola.
2. Examiner for Doctorate, 1995, *Thermo-hydraulics and Constructions Aspects of Scrubber*, Candidate - Trombev Gj., Mentor - Kanevche G., University St. Kliment Ohridski, Faculty of Technical Sciences, Bitola.
3. Examiner for Doctorate, 1992, *Hydrodynamics and Heat Conduction of Uncooled Bodies in Bed Fluidized*, Candidate - Mijakovski I., Mentor - Kanevche G., University St. Kliment Ohridski, Faculty of Technical Sciences, Bitola.
4. Examiner for Doctorate, 1992, *Analysis of Non-Steadystate Flow in Gas Mainline*, Candidate - Stojanovski V., Mentor – Mirchevski M., University St. Kliment Ohridski, Faculty of Technical Sciences, Bitola.
5. Co-mentor of Masters degrees, 1997, *Mathematical Modeling of Hydro Power Plants*, Candidate – Janevska G., Mentor – Bundalevski T., Faculty of Mechanical Engineering, Skopje.
6. Mentor of more than 180 postgraduate degrees, Faculty of Technical Sciences, Bitola, 1980-2007.

#### **4.5. Papers Published in Journals and Conference Proceedings or Presented on Conferences**

1. Panovski S., 2005, *Small Hydro Power Plants - Types and exploitation experiences*, Workshop organized by Macedonian Geothermal Association (MAGA): Renewable sources of energy in Republic of Macedonia, Skopje, Macedonia.
2. Panovski S., Ristevski S., Ilioski M., Ilioski D., 2004, *Participate and awarded with Grand Prix Award from the Ministry of Education and Science, Republic of Macedonia on the XXIV International exhibition on inventions, technical improvements, new products and creation of youth MAKINOVA 2004*.
3. Panovski S., Janevska G., *Controllability of a Small Hydro Power Plant*, XXXIX International Scientific Conference on Information, Communication and Energy Systems and Tehnologis-ICEST 2004, Bitola, Macedonia.
4. Stojanovski V., Panovski S., Boceska A., 2004, *Quartz production in the factory "Separacija" - Oslomej and environment protection*, International Scientific Conference: Manufacture and Management in 21. century, Ohrid.
5. Panovski S., 2004, *The level of useability of the existing technical documentation for building of Small Hydro Power Plants - some examples*, International Symposium "Energetics 2004", Association of Power Engineers of Macedonia, Ohrid, Proceeding pp. 501-510.

6. Stojanovski V., Panovski S., Boceska A., 2004, *Experience from the application of the new detector typ for fire protection*, International Symposium “Energetics 2004”, Association of Power Engineers of Macedonia, Ohrid, Proceeding pp. 181-189.
7. Panovski S., 2004, *Small Hydro Power Plants in Macedonia*, Conference of the Association of Power Engineers of Macedonia, Skopje.
8. Panovski S., 2004, *Possibilities for investment in Small Hydro Power Plants in Republic of Macedonia*, Workshop organized by the Economic Chamber of Macedonia, Skopje.
9. Panovski S., 2004, *Small Hydro Power Plants*, International Workshop organized by the Association of Power Engineers of Macedonia, Skopje.
10. Panovski S., Janevska G., 2004, *Linear Mathematical Model of Small HPP “Strezevo”*, Faculty of Technical Sciences, Bitola, Proceeding pp. 293-305.
11. Panovski S., Slivoski O., 2004, *Projecting of Hydraulic Lifts*, Faculty of Technical Sciences, Bitola, Proceeding pp. 307-322.
12. Janevska G., Panovski S., 2004, *Computer Simulation of the Dynamics of Small HPP “Strezevo”*, Faculty of Technical Sciences, Bitola, Proceeding pp. 169-179.
13. Panovski S., 2003, *Small Hydro Power Plants - Types and exploitation experiences*, Workshop: Hydro potential in Republic of Macedonia – electrical energy viewpoint, Association of Power Engineers of Macedonia, Bitola.
14. Panovski S. Anastasov Lj., 2003, *Small Hydro Power Plants in the Region Mariovo*, Energetics 37-38, Skopje.
15. Panovski S. Anastasov Lj., 2002, *Small Hydro Power Plants in the Region Mariovo*, International Symposium Energy, Efficiency, Ecology, Economy, Association of Power Engineers of Macedonia, Struga, Proceeding pp. 53-62.
16. Janevska G., Panovski S., 2002, *Simulation of the Dynamic Process in Hydraulic Power Plant*, International Symposium Energy, Efficiency, Ecology, Economy, Association of Power Engineers of Macedonia, Struga, Proceeding pp. 187-196.
17. Panovski S., Stojkov V., *Law Regulative for Building, Propertyholding and Exploitation of Small Hydro Power Plants in R. Macedonia*, International Symposium Energy, Efficiency, Ecology, Economy, Association of Power Engineers of Macedonia, Struga, Proceeding pp. 655-664.
18. Stojanovski V., Stojanovska L., Panovski S., 2002, *“Study into the Restructuring of Math-Engineering Education”*, Ist Congress of Engineers of Macedonia, Struga, Proceeding pp. 436-442.
19. Panovski S., 2002, *Some Example for Engineers Irregularly of Disagne and Building of Water Supply Objects*, I-st Congress of Engineers of Macedonia, Struga, Proceeding pp. 323-328.
20. Panovski S., Stojanovski V., 1999, *Technical Solution for Putting into Operation the Hydro System for Spraying of the Ash Residue at the thermo Power Plant “Oslomej”-Kichevo*, I-st Symposium of the Public Power Company of Macedonia (ESM), Bitola, Proceeding pp. 328-331.
21. Panovski S., 1999, *Applications and Actualities for Water Supply of Thermo Power Plant “Bitola”*, I-st Symposium of the Public Power Company of Macedonia (ESM), Bitola, Proceeding pp. 178-181.
22. Panovski S., 1998, *Quantities, Unites and Symbols in Mechanics, 6<sup>th</sup> Symposium on Theoretical and Applied Mechanics*, Macedonian Association of Mechanics, Struga, Proceeding pp. 303-310.
23. Panovski S., 1998, *Consistently Use of the International Standard for Quantities and Unites ISO – 31, II-nd Symposium of the Physicists of Macedonia*, Society of Physicists of RM, Ohrid.
24. Panovski S., Stojanovski V., Stojanovska L., 1998, *History of Technical High Education in Bitola*, Symposium A Histori of the Technics in Macedonia, Bitola.
25. Panovski S., 1998, *Small Hydro Power plants in a Function of Development of Rural Territorys in RM*, Symposium “Development of Rural Territoris in RM”, Ministry of Urban, Building and Environment, Ohrid.
26. Panovski S., Spirovski S., 1998, *Providing Potable Water in Bitola Drought Conditions*, V-th Consultation “Water Management in Republic of Macedonia, Struga.
27. Panovski S., Nedelkovski, 1997, *Firework Protection of the equipment in Coal Mine “Suvodol”*, MPC “Bitola”, Symposium “Utilisation of Coal for Energy, Association of Power Engineers of Macedonia, Ohrid, Proceeding pp. 860-863.
28. Panovski S., Janevska G., *Relation between Consumption of Coal and Crude oil in the Process of Combustion in Thermo Power plant “Bitola”*, Symposium “Utilisation of Coal for Energy, Association of Power Engineers of Macedonia, Ohrid, Proceeding pp. 317-325.

29. Panovski S., Nedelkovski I., 1997, *Macedonian Orthography and Computer Programmes for Texts Writing*, Scientific Seminar "Concrete Application of the Macedonian Literary Language and its Cyrillic Writing in Official and Public Communications, Bitola, Proceeding pp. 39-45.
30. Panovski S., 1997, *Necessity for Equalling the Symbols of Physical Quantities and Units in the Writing and Reading Rules of Macedonian Literal Language with the International Standard*, Scientific Seminar "Concrete Application of the Macedonian Literary Language and its Cyrillic Writing in Official and Public Communications, Bitola, Proceeding pp. 65-70.
31. Stojanovska L., Panovski S., Stojanovski V., 1996, Application of the International Standard for Quantities, Units and Symbols in Mathematics by all Education and Science Staff of the R.Macedonia II-nd Congress of Mathematicans and Informaticans of Macedonia, Ohrid.
32. Stojanovski V., Panovski S., 1996, *Possibility for Using Pressure Reservoar for Individual Water Supply*, Proceeding of the University "St. Kliment Ohridski", Faculty of Technical Sciences, Bitola, pp.162-167.
33. Panovski S., Nedelkovski I., 1996, *Methodology for Creating Plan for Fire Prevention in Enterprises*, Proceeding of the University "St. Kliment Ohridski", Faculty of Technical Sciences, Bitola, pp.171-175.
34. Bundalevski T., Panovski S., Janevska G., 1996, *Nonlinear Mathematical Model of a Pump System*, Proceeding of the University "St. Kliment Ohridski", Faculty of Technical Sciences, Bitola, pp. 37-44.
35. Panovski S., 1994, *For Consistent Application of the International Standard of Quantities, Unites and Symbols in Mechanics*, 5<sup>th</sup> Symposium on Theoretical and Applied Mechanics, Ohrid, Proceeding pp. 85-90.
36. Panovski S., Stojanovski V., 1993, *A Solved for Regular Work of Compensators in Circulatin Pump Station in Thermo Power Plant "Bitola"*, Second Symposium of the Association of Power Engineers of Macedonia (ZEMAK), Struga, pp.
37. Panovski S., 1993, *Typisation of Banki Water Turbine and Possibilities of Production at us*, Proceeding of the University "St. Kliment Ohridski", Faculty of Technical Sciences, Bitola, pp. 162-167.
38. Panovski S., 1992, *An Example for Rational Use of Pump Pipeline as a Water Supply Pipeline for Small Hydro Power Plant*, I-st Symposium of the Association of Power engineers of Macedonia (ZEMAK), Mavrovo , pp.
39. Panovski S., 1990, *A Solv for a Problem for Unregular Teztured of Footholding of a Pipeline in the Thermo power Plant "Bitola"*, Symposium "Nauchna misla", Societe of Science and Art, Bitola.
40. Panovski S., 1989, *Possibilitis for Using Energetics of Hydropotential of Small Hydroacomulations, Consultation of Building for Micro Hydroakomulations of the Theritory of Prilep*, Societe of Science and Art, Prilep, Proceeding pp. 31-33.
41. Stojanovski V., Stojanovska L., Panovski S., 1988, *Program for the Hydraulic Calculation of a Branched Gravitational Pipeline*, Proceeding of the Faculty of Technical Sciences of Bitola, No 4, pp. 89-90.
42. Stojanovski V., Panovski S., Noshpal A., 1988, *Comparison of Numerically and Experimentally Obtained Results from the Maximal Flow of Additional Water of Thermo Power Plant "Bitola"*, Proceedings of the Faculty of Mechanical Engineering in Skopje, No 7, pp. 109-119.
43. Panovski S., 1987, *"Banki" Turbines—Typical Small Turbines*, VI-th Yugoslavian Con-sultation About Small Hydro Power Plants, Popova Shapka, Proceedings, pp. 148-157.
44. Panovski S., 1986, *Possibility of a Rational Supply of Raw Water for Thermo Power Plant "Bitola" for Use by the i, II and III-rd Bloks*, Consultation "Research of the Possibility of a Rational Supply of Water", Skopje.
45. Panovski S., 1986, *Some Recognition about the Young Scientifics Cadres*, *Scientific Tribune-a Productive Power in the Society*, Society of Science and Art, Bitola, pp. 93-96.
46. Panovski S., 1985, *Linear Mathematical Model of the Steam Turbine K-200-130-3*, Proceeding of the Faculty of Technical Sciences, Bitola, No 3, pp. 85-101.
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48. Panovski S., 1985, *Analysis of the Flow trogh Cross-Flow Turbines of the Type "Banki"*, 2-th Symposium of the Macedonian Association of Mechanics, Skopje.
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#### 4.6. Professional Projects, Designs, Studys, Elaborates

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4. Panovski S., Kondinski I., 2007, *Technical solution and tender documentation for the concession for SHPP on the river Zaba*, Faculty of Technical Sciences, Bitola.
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14. Panovski S., 2000, *Main Project for Personal Hydraulic Elevator of Old People`s Home – Kumanovo Carring Capasity 1000 kg*, as a Main Projector.
15. Panovski S., 2000, *Main Project for Personal Electrical Elevator Carring Capasity 630 kg of Hotel Milenium-Obrid*, as a Main Projector.
16. Panovski S., 2000, *Main Project for Personal Electrical Elevator Carring Capasity 420 kg of Building on Turisticka St.-Obrid*, as a Main Projector.

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18. Panovski S., 2000, *Main Project for Personal Electrical Elevator Carrying Capacity 320 kg of Building on Ilindenska St.-Tetovo*, as a Main Projector.
19. Panovski S., 2000, *Main Project for Personal Electrical Elevator Carrying Capacity 630 kg of Building in the City Center-Tetovo*, as a Main Projector.
20. Panovski S., 2000, *Main Project for Cargo Electrical Elevator Carrying Capacity 1500 kg for Tobacco Industry of Prilep*, as a Main Projector.
21. Panovski S., *Project for Technical Solution for Putting into Operation the Hydro System for Spraying of the Ash Residue at the thermo Power Plant "Oslomej"-Kichevo*, Faculty of Technical Sciences, Bitola, as a Main Performer.
22. Panovski S., 1999, *Environmental-Technical Elaborate on the Influence of Operational Processes on the Environment for the Enterprise AD "Algreta"-Resen*, Faculty of Technical Sciences, Bitola, as a Coordinator and a Main Performer of the Waste Water.
23. Panovski S., 1999, *Environmental-Technical Elaborate on the Station for the Purification of Waste Water from the System for the Protection of the Lake Obrid-Struga*, Faculty of Technical Sciences, Bitola, as a Coordinator and a Main Performer of the Waste Water.
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25. Panovski S., 1999, *Environmental-Technical Elaborate on the Influence of Operational Processes on the Environment for the Factory of Sugar "IV -th November"-Bitola*, Faculty of Technical Sciences, Bitola, as a Main Performer of the Waste Water.
26. Panovski S., 1998, *Elaborate "Analysis of the Problematics of the Circulatory Cooling Systems at the Thermo Power Plant "Bitola"*, Faculty of Technical Sciences-Bitola, as a Main Performer.
27. Panovski S., 1998, *Study of the Regulation of the Region of the Traffic for the Center of the Town Bitola*, Faculty of Technical Sciences-Bitola, as a Coordinator.
28. Panovski S., 1998, *Elaborate for Transportation of Equipment and Parts for Water Power Plant "Kozjak" from the Port of Thessaloniki to the Location of the object*, Faculty of Technical Sciences-Bitola, as a Coordinator.
29. Panovski S., 1997, *Elaborate on the Hydraulic Analysis of Reconstruction of Pressure Pipelines at Supply Pumps in the Energy Industry at Factory "IV November"-Bitola*, Societe of Sciences and Art, Bitola, as a Main Performer.
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31. Panovski S., 1996, *Project on the Fire Protection System for the Department "Mineral Water and CO<sub>2</sub>-Department 2" of the Enterprise "Lozar"-Bitola*, Societe of Sciences and Art, Bitola, as a Main Performer.
32. Panovski S., 1996, *Project on the Fire Protection System for the Department Vinery Factory and other objects of the of Enterprise "Lozar"-Bitola*, Societe of Sciences and Art, Bitola, as a Main Performer.
33. Panovski S., 1995, *Project – Plan on the Fire Protection System for the AD "Frinko"-Bitola*, Societe of Sciences and Art, Bitola, as a Main Performer.
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35. Panovski S., 1995, *Elaborate on the Estimate of the Technical Condition and Value of the Equipments and Vehicles in the AD Sugar Factory "4-th November"-Bitola*, as a United Performer.
36. Panovski S., 1995, *Elaborate on the Estimate of the Technical Condition and Value of the Equipments and Vehicles in the AD "Market"-Bitola*, as a United Performer.
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39. Panovski S., 1994, *Elaborate on the Estimate of the Technical Condition and Value of the Equipments and Vehicles in the POS "Remont"-Bitola*, as a United Performer.
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45. Panovski S., 1994, *Plan on the Fire Protection System for the Factory "Bitolateks"-Bitola*, Societe of Sciences and Art, Bitola, as a Main Performer.
46. Panovski S., 1994, *Elaborate for Solution of the Hydromechanical Problems in Factory for Yeast and Alcohol-Bitola*, Societe of Sciences and Art, Bitola, as a Main Performer.
47. Panovski S., 1994, *Project on the Fire Protection on the Sport Object in Resen, Monting-Bitola*, as a Professional Consultant.
48. Panovski S., 1994, *Feasibility Study for Purification Station of Water on the Sport Sweming Pool in Bitola, Monting-Bitola*, as a Consultant.
49. Panovski S., *Pre-Project of the Stacionary Vacuum Claning System for the Factory of Beer Raw Material*, as a Co-operator.
50. Panovski S., 1993, *Elaborate for Enabling Proper Functioning of the Boilers in Workshop "Predilnica" of Textile Industry h.p. "Bitolateks"-Bitola*, as a Main Performer.
51. Panovski S., 1993, *Elaborate on the Pumps-Pumplines System for the Cooling Water from Wells B2 and B3 on the Water-Tank in the Barm Factory-Bitola*, Societe of Sciences and Art-Bitola, United Performer.
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53. Panovski S., 1992, *Elaborate for Measurement and Analisy of Additional Cooling Water in the Thermo Power Plant "Bitola"*, as a Main Performer.
54. Panovski S., 1990, *Feasibility Study for Small Hydro Power Plant "Dovledžik" of the Bitola Water Supply System-Part III: Hydromechanical Project*, Faculty of Technical Sciences, Bitola, as a Main Researcher.
55. Panovski S., 1990, *Feasibility Study for Small Hydro Power Plant "Tetovo" Melio-project, Skopje*, as a Main Projector of the Hydromechanical Part.
56. Panovski S., 1989, *Report on the Mandatory ON-site and In-site Measurement of the Flow Rate and of the Cooling System of Alcohol Tank in the Enterprise in the Yeast and Spirits Factory-Bitola*, as a Main Performer.
57. Panovski S., 1989, *Elaborate on the Normal Functioning of the Compensators of the Pipelines and Pumps in the Circulation Pump Station of the Thermo Power Plant "Bitola 2"*, Faculty of Technical Sciences-Bitola, as a Main Projector.
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61. Panovski S., 1986, *Feasibility Study for the Water Supply of v. Devich, Babindol and Small Milk Factory in Makedonski Brod*, Faculty of Technical Sciences, as a Main Performer.
62. Panovski S., 1986, *Technical Report for Obtainment of Water Supply for v. Devich, Babindol, Small Milk Factori, Motel "Peshna" and other Accompanying Objects in Makedonski*, Faculty of Technical Sciences, as a Unique Performer.
63. Panovski S., 1986, *Feasibility Study and the Main Project for Water Supply of Demir Hisar*, Faculty of Technical Sciences, as a Main Projector of Hydromechanical Part.
64. Panovski S., 1986, *Technical Report of the Available Quantities of Raw Water which could be used for the Needs of Hydraulic Transport of Ashes and Slag for the Thermo Power Plant "Bitola III"*, Faculty of Technical Sciences, as a Unique Performer.

65. Panovski S., 1986, *Expertise on the Condition of the Water-Meter for the Sanitary-Hygienic Water at WO "Goce Radosavlevic"-Bitola and on the Use of the Water Measured with this Water-Meter*, Faculty of Technical Sciences, as a Unique Performer.
66. Panovski S., 1986, *Elaborate: Possibilities and Means for Obtaining Raw Water for Thermo Power Plant "Bitola I, II and III"*, Faculty of Technical Sciences, as a Main Projector.
67. Panovski S., 1986, *Study: Confirmation of the Possibility of the Obtaining Raw Water for Thermo Power Plant "Bitola" for Use by the III-th and IV-th*, Faculty of Technical Sciences, as a Main Projector.
68. Panovski S., 1983-1989, *Project: Complex Information System for the Maintenance of the Plants in the Electro-Industry in Macedonia*, Expertise Project under the direction of Faculty of Mechanical Engineering-Skopje, as a Co-worker on the Subsystem of the Project: System for Coding the Organizational Units of the Production Equipment and Components.
69. Panovski S., 1979, *The Main and Auxiliary Project for the Oil Plant for the Ignition of Thermo Power Plant "Bitola" 2x210 MW*, as a Co-worker.

#### 4.6. Reports, Expert Reviews, etc

1. 2002, *Expert Review for the Proposal of the Sciences-Research Project: Optimal Robust Control of Nonlinear Systems with Out-side Disturbances*, Proposed from the Faculty of Electrical Engineering-Skopje, as Expert from the Ministry of Education and Sciences of R. Macedonia.
2. 2002, *Expert Review for the Proposal of the Sciences-Research Project: To Ordain of the Technical Issues of the Risk in the Investment Projects of the Small Hydro Power Plants*, Proposed from the Faculty of Electrical Engineering-Skopje, as Expert from the Ministry of Education and Sciences of R. Macedonia.
3. 2002, *Expert Review for the Proposal of the Sciences-Research Project: Numerical and Experimental Researches on Flow into Axial and Radial Turbines*, as Expert from the Ministry of Education and Sciences of R. Macedonia
4. 2001, *Expert Review for the Annual Report of Sciences-Research Project: Numerical Modeling and Investigation of Cavitation at the Turbomachinery*, worked of the Faculty of Mechanical Engineering-Skopje, as Expert from the Ministry of Education and Sciences of R. Macedonia.
5. 2001, *Expert Review for the Proposal of the Sciences-Research Project: Development, Projection and Designe of the Hydraulics and Pneumatics Components Using the CFD tehnology*, Proposed from the Faculty of Mechanical Engineering-Skopje; as Expert from the Ministry of Education and Sciences of R. Macedonia.
6. 1998, *Technical Control and Report on the Mandatory On-site Measurement on the Flow Rate and Pressure of the Anti Fire Hydrant Network at EMO-Obriđ*, With V. Stojanovski.
7. 1998, *Technical Control and Report on the Mandatory On-site Measurement on the Flow Rate and Pressure of the Anti Fire Hydrant Network at AGP "Zastava"-Obriđ*, With V. Stojanovski.
8. 1998, *Technical Control and Report on the Mandatory On-site Measurement on the Flow Rate and Pressure of the Anti Fire Hydrant Network at "Dzitolob"-Obriđ*, With V. Stojanovski.
9. 1998, *Technical Control and Report on the Mandatory On-site Measurement on the Flow Rate and Pressure of the Anti Fire Hydrant Network at JZU "Medicinski centar"-Obriđ*, With V. Stojanovski.
10. 1998, *Technical Control and Report on the Mandatory On-site Measurement on the Flow Rate and Pressure of the Anti Fire Hydrant Network at JP ESM "Elektro-Obriđ"-Obriđ*, With V. Stojanovski.
11. 1998, *Review of the Project for Climatisation in the Milk Factory and Construction Supervision*, With Gj. Trombev.
12. 1997, *Expert Review for the Proposed Development Project: Economical Use of Water and Electrical Energy in Modern Pump Stations for Irrigation and Drainage*, Proposed from the Faculty of Mechanical Engineering-Skopje; as Expert from the Ministry of Education and Sciences of R. Macedonia.
13. 1996, *Report of Supervision of the Technical Documentation: Project for Fire Prevention of the excavator KU 300/400 in Power Plant "Bitola"-Bitola*, as a Main Supervisor.
14. 1996, *Report of Supervision of the Technical Documentation: Feasibility Study for the Constrution of Regional Water Supply System on the Community Struga*, Unique Performer.
15. 1994, *Expert Review for the Final Report of the Sciences Project: development of the hydraulic and Pneumatic Machines*, worked of the Faculty of the Mechanical Engineering (1991-1993), as a Expert from the Ministry of Education and Sciences of R. Macedonia.
16. 1994, *Report of Supervision of the Technical Documentation: Project for Fire Prevention of the Workchop in Power Plant "Bitola"-Bitola*, as a Main Supervisor.

17. 1994, *Report of Supervision of the Technical Documentation: Project for Fire Prevention of the Excavator SR<sub>630</sub> in Power Plant "Bitola"*-Bitola, as a Main Supervisor.
18. 1994, *Report of Supervision of the Technical Documentation: Project for Fire Prevention of the Excavator Až R<sub>B</sub> 5.500.5 in Power Plant "Bitola"*-Bitola, as a Main Supervisor.
19. 1994, *Report of Supervision of the Technical Documentation: Project for Fire Prevention of the Excavator SR<sub>1.300</sub> in Power Plant "Bitola"*-Bitola, as a Main Supervisor.
20. 1994, *Report of Supervision of the Technical Documentation: Project for Fire Prevention of the Excavator SR<sub>2000-I/II</sub> in Power Plant "Bitola"*-Bitola, as a Main Supervisor.
21. 1994, *Report of Supervision of the Technical Documentation: Project for Fire Prevention for Production Hall of Printing Industry "Kirro Dandaro" a.d. Bitola*, as a Main Supervisor.
22. 1993, *Report of Supervision of the Technical Documentation: Study for Use of Water Potential of "Kadina reka" River on the Share from the Profil "Paligrad" to Inspiring in Vardar River – Small Hydro Power "Kadina reka 2", Skopje*, as a Main Supervisor.
23. 1992, *Report of Supervision of the Technical Documentation: Feasibility Study for Reconstruction of Machinery (Agregates) of Hydro Power Plant "Špilje" - Part: Turbine and Turbine regulation, Hydromechanical Equipment*, as a Unique Supervisor.
24. 1991, *Report of Supervision of the Technical Documentation: Project – Mechanical Part for Hydro Power Plant "Galiste"*, as a Unique Supervisor.
25. 1989, *Report of Supervision of the Technical Documentation: Project-Part Electromechanical for Small Hydro Power Plant "Džirovnica" 150 kW*, as a Unique Supervisor.
26. 1989, *Consultation on the Consumption of the Water at the Water Meter at WO "Goce Radosavljević"*-Bitola, as a Main Performer.
27. 1988, *Review of the Main Project – Thermomechanical Part-the Treatment of the Waste Water from Thermo Power Plant "Bitola III"*, as a Co Performer.
28. 1988, *Review of the Main Project for the Fire Prevention for the Transformer Station TS 110/35(20)/10 kV-Sopotnica*, as a Main Performer.
29. 1988, *Review of the Main Project for the Safety During Operation for the Transformer Station TS 110/35(20)/10 kV-Sopotnica*, as a Main Performer.
30. 1987, *Review of the Main Project for the Obtainment of Industrial Water for the Sugar Factory "4-th November"-Bitola from the System "Stredzevo"*, as a Main Performer.
31. 1987, *Review of the Main Mechanical Project of Chemical Preparation of Water for Thermo Power Plant "Bitola III"*, Bitola, as a Co-Performer.
32. 1987, *Review of the Main Technology Project-Thermomechanical Part for Chemical Preparation of Water for Thermo Power Plant "Bitola III"*, Bitola as a Co-Performer.
33. 1987, *Successive and Final Review of the Main Project for the Obtainment of Additional Water for Thermo Power Plant "Bitola III"*, Bitola, as a Unique Performer.
34. 1987, *Review of the Main Project for the Obtainment of Additional Water for Thermo Power Plant "Bitola III"-Part Pipeline m<sub>3a</sub>*, Bitola, as a Unique Performer.
35. 1987, *Review of the Main Project for the Obtainment of Additional Water for Thermo Power Plant "Bitola III"-Part II: Reconstruction and Adaption of Pump Station of River Crna*, Bitola, as a Unique Performer.
36. 1987, *Review of the Main Project for Pipeline of Additional Cooling Water for Thermo Power Plant "Bitola III"-Part I: Pipeline M<sub>7</sub>*, Bitola, as a Unique Performer.
37. 1986, *Review of the Ideal Project for the Hydrosystem of the Micro-Accumulation "Suvodol 2" and "Suvodol 3"*, Demir Hisar, as a Main Performer.
38. 1986, *Review of the Ideal Project for the Hydrosystem of the Micro-Accumulation "Strugovo"*, Demir Hisar, as a Main Performer.
39. 1986, *Review of the Report on the Condition of the Cooling Towers at Power Plant "Bitola"*, Bitola, as a Unique Performer.
40. 1986, *Expert Review of the Main Project on the Storing of Flammable Materials of Thermo Power Plant "Bitola"-Mechanica Phase*, as a Unique Performer.
41. 1986, *Expert Review of the Main Project for the Fire Prevention of the Thermo Power Plant "Bitola"*, Bitola, as a Unique Performer.
42. 1984, 1985 and 1989, *Technical Inspection of the Dam with Conducted Objects of the Hydro System "Stredzevo"*, Bitola, as a Member of Republic Commission for Technical Inspection and Acceptance of the Objects of Special National Interest.

43. 1985 and 1989, *Technical Inspection of the Investigation Object Detailed Network of the Hydro System "Stredzevo", Bitola*, as a Member of Republic Commission for Technical Inspection and Acceptance of the Objects of Special National Interest.
44. 1985, *Technical Inspection of the Objects in the Thermo Power Plant "Bitola": Pump Station and Supply of Raw Water, Circulation Station, Delivery of Cool and Removal of Ashes and Slag, Bitola*, as a Member of Republic Commission for Technical Inspection and Acceptance of the Objects of Special National Interest.
45. 1984, 1986, *Expert Review of the Mechanical Part of the Ideal Project for the Construction of Small Hydro Power Plant "Belesbnica I" and "Belesbnica II", Makedonski Brod*, Done by "Hydro-Electric Project"-Skopje, as a Unique Performer.

#### **4.7. Construction Supervision and Consulting**

1. 1996-1999, *Construction Supervisor, Technical Control and Acceptance the Equipment for Hydromechanical Part for the Construction of New Water Factory of the Water Supply-Bitola*.
2. 1997, *Commission Member for Bidding Choice for Prequalifications of the Hydrosystem "Stredzevo"-Bitola, the Complete Electro-Mechanical Equipment for Small Hydro Power Plant "Lera", Bitola*.
3. 1997, *Commission Member for Bidding Choice for Prequalifications for two Small Hydro Power Plants of the Water Supply System "Gorna Belica"-Struga*.
4. 1996, *Technical Consultant in the Area Hydromechanics in the Building of the Pipeline for the small Hydro Power Plant "Dovledzjik"-Bitola*.
5. 1987-1990, *Technical Consultant on the Firm "Goce Radosavlevikj"-Bitola for Issues of Hydraulics and Hydraulic Machines*.
6. 1989, *Expert Supervisor for the Construction of the System for the Obtainment of Sanitary-Hygienic Water, Demir Hisar*.
7. 1989, *Expert Supervisor for the Construction of the System for the Irrigation "Suvodol 2" and "Suvodol 3", Demir Hisar*.
8. 1989, *Expert Supervisor for the Construction of the System for the Irrigation "Strugovo", Demir Hisar, 1989*.
9. 1978/79, *Expert Supervisor for the Construction of the Thermo Power Plant "Bitola"-Group for Pipelines*.