

Aleksandar Kostadin Dedinec

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Born

Radovish, 22.10.1986, R. Macedonia

Key Qualifications:

Aleksandar Dedinec is an expert modeler and analyst specializing in the energy, energy efficiency and climate change sectors. At present he is a Research Assistant at the Research Center for Energy and Sustainable Development of the Macedonian Academy of Sciences and Arts (RCESD-MASA) and a PhD candidate at the Faculty of Electrical Engineering and Information Technologies. He is one of the lead persons on the MARKAL energy strategy modeling in Macedonia. He is participating in several projects related to energy strategies, energy efficiency and renewable energy sources, as well as climate change, including: GHG inventories, climate change mitigation in various sectors, energy efficiency and GHG emissions indicators. He is also experienced in computer science, robotics, and automation.

Education:

Doctor of Science, Faculty of Electrical Engineering and Information Technologies, Skopje Ph.D. studies
Electrical Engineering and Information Technologies, 2012-
Master of Science in Electrical Engineering and Information Technologies, Faculty of Electrical
Engineering and Information, Average mark 10, Skopje, 2009-2011.
Bachelor of Science in Electrical Engineering and Information Technologies, Faculty of Electrical
Engineering and Information Technologies, Average mark 9.24, Skopje, 2005-2009

Certificates:

1. Certified Measurement and Verification Professional, **The efficiency Valuation Organization and the Association of Energy Engineering**
2. e-Learning Course- Low Carbon Development: Planning and Modelling, **The World Bank Institute**
3. Certificate of Training, **Republic of Macedonia SBEM Trainers Course**
4. Certification of participation, **multi module training programme, organized by ECRAN, modelling: Long-range Energy Alternatives Planning System (LEAP)**

Statement of Accomplishment:

1. Turn Down the Heat: Why a 4°C Warmer World Must be Avoided, **World Bank**

Member:

1. The Association of Energy Engineers (AEE)
2. International Centre for Sustainable Development of Energy Water and Environment Systems (SDEWES)

Computer skills:

Programming languages: Pascal, C#, Python, C, C+

Operating systems: Unix, Linux, Windows

Other: MARKAL, GACMO, GAMS, GHG protocol, CRF reporter, LEAP, MAED, IPCC GHG inventory, Top-down indicators tool, RET Screen, MATLAB, Step 7, Microsoft Visual Studio, Macromedia Dreamweaver, Hades Microsoft Robotics Studio, Macromedia Flash, Microsoft Office, Joomla

Workshops:

Participation in more than 40 workshops and in most of them he has presented the results from the projects.

Professional Experience:

- 2011- present **Research Assistant**, Research Center for Energy and Sustainable Development, Macedonian Academy of Sciences and Arts, Macedonia. Participated in various projects in the energy, climate change and energy efficiency including:
1. **Modeller, analyst, trainer**, Supporting the preparation of the Second Biennial Update Report on Climate Change, *UNDP, Macedonia, (2016-2017)*, Participation in the whole process.
 2. **Modeller, analyst**, Technical support to the Energy Community and its Secretariat to assess the candidate Projects of Energy Community Interest in electricity, gas and oil infrastructure, and in smart grids deployment, in line with the EU Regulation 347/2013, *All countries from the Energy Community are covered, 2015*. Participation in the process of modelling and analysing of the electricity transmission network in the Energy Community countries.
 3. **Modeller, analyst**, Supporting the preparation of the Intended Nationally Determined Contribution to the UNFCCC, *UNDP, Macedonia, 2015* Participation in the whole process.
 4. **Modeller, analyst**, developing a National Energy Strategy for the Republic of Macedonia for the period 2015-2035. *USAID, Macedonia (2014-2015)*. Participation in the whole process.
 5. **Modeller, analyst**, INT2013 Supporting nuclear power infrastructure capacity building in Member States introducing and expanding nuclear power, *IAEA (2014-2015)*. Development of demand and supply side sectors in Macedonia using MAED model and development of scenarios for the next 30 years period.
 6. **Modeller, analyst, Development of methods for energy strategic planning**, *Macedonian academy of sciences and arts and Bulgarian academy of sciences (2014-2017)*.
 7. **Modeller, trainer** Mitigation analyses and strengthening the QA/QC system related to the GHG Inventory, Macedonia's First Biennial Update Report,

UNDP Macedonia (2013-2014).

- Strengthening the QA/QC system related to the GHG Inventory
 - Analytical work: Improvement the Mitigation Scenarios
 - Provide analytical and technical support of the participatory activities
 - Capacity building.
8. **Modeller, analyst** Assessment of the impact of the Energy Efficiently Directive, 2012/27/EU, if this is adopted by the Contracting Parties of the Energy Community (EC), *Energy Community (2013-2014)*. Assist in addressing issues identified during the EC-LEDS preparation of the original model, including, but not limited to:
- Assess the NREL energy efficiency database with an eye towards updating the residential sector new device options;
 - Become familiar with and take "ownership" of the following EC-TIMES regions: Albania, BiH, Croatia, Montenegro and Macedonia;
 - assist with improving the model organization (and future management) by moving the future technology options (demand devices and power plants) from VFE BaseYear (BY) templates to SubRES scenario files;
 - Assist with moving and consolidate other BY and Scenario files to improve the organization and handling of the EC-TIMES VFE templates;
 - Assist in building out the Montenegro demand sectors, and
 - Pursue other improvements as time permits.
9. **Modeller, analyst**, Third National Report to UNFCCC: Development of Climate Change Mitigation Scenarios for the key GHG Emitting Sectors, *UNDP, Macedonia (2013)*. Introduced new demand technologies, defined useful energy demand in Residential, Commercial, Industrial, Transport and Agriculture sectors, developed a baseline scenario and three groups of mitigations scenarios (EU, QERLC and BAU deviation) until 2050 with emissions limitation/reduction targets, performed a sensitivity analysis and a comparative assessment of the different scenarios. Worked with waste expert on creating baseline and mitigation scenarios as well as made environment and economic analysis.
10. **Modeller, analyst**, Green Growth and New Energy Infrastructure Review Study, *World Bank (2013)*. The MARKAL model was adopted to optimize only electricity options on the supply side. The base year was changed from 2009 to 2011, recalibrated to match the base year energy balance and ran the model to debug any problems and reproduce the base year energy balance. Transmission and distribution losses as well as EE demand options were modeled on the supply side. A number of different scenarios were created.
11. **Modeller, analyst**, Third National Report to UNFCCC: Development of a Case Study of Climate Change Mitigation Potential of the Transport Sector, *UNDP Macedonia (2012)*. Conducted a comprehensive assessment of the climate change mitigation potential of the national transport sector, evaluating appropriate mitigation options in terms of their environmental effectiveness (volume of GHG emissions reduction) and economic effectiveness (specific cost of reduction) using a bottom up approach and GACMO methodology.
12. **Modeller, analyst**, Regional Environmental Network for Accession (RENA), Ministry of Environment and Physical Planning Macedonia, *Energy Community, Directorate General Environment (2011)*. Development of the

- 2008 and 2009 GHG emissions inventories using IPCC GHG inventory software and CRF (Common Reporting Format) tool.
13. **Member of the ICEIM-MANU team**, Program for the realization of the energy strategy of the Republic of Macedonia for the period 2013-2017, *World Bank (2012-2013)*. Contributed to the chapters on:
 - Monitoring and Evaluation Program (responsible for identifying indicators for Energy Efficiency and GHG Emissions)
 - Financial Aspects of the Realization Plan
 - Activities after 2017
 14. **Modeller, analyst**, Regional Energy Security and Market Development (RESMD) - Phase II, *USAID, Macedonia (2011-2012)*. Updated the MARKAL (MARKet ALlocation) Macedonia model to reflect up-to-date information on technology options, economy growth rates, and world/regional energy prices. Included the Transportation and Refinery sectors in the model as well as hurdle rates to reflect impediments in the market place to the uptake of more efficient yet expensive (upfront) devices. Re-calibrated the model for each demand sector. Developed a suite of policy scenarios: baseline scenario with Transportation and Refinery sectors, Energy Efficiency, Renewable, combination of Renewable and Energy Efficiency, Lignite limitation, Hydro limitation, and CO2 mitigation scenarios.
 15. **Modeller, analyst**, Green Growth and Climate Change Analytic and Advisory Support Program – Energy Sector Modeling, *World Bank (2011-2012)*. Changed the base year in the MARKAL model from 2006 to 2009, recalibrated to match the base year energy balance and ran the model to debug any problems and reproduce the base year energy balance. Expanded the model till 2050 and developed baseline scenario. The technologies that were included in the model were reviewed and new technologies were introduced. A number of mitigation scenarios at energy supply side were developed and quantified in terms of economic and environmental effectiveness.
 16. **Modeller, analyst**, Development of Methods for Strategic Planning in Energy Sector, *Macedonian Academy of Sciences and Arts, Macedonia (2009-2013)*. Applied the MARKAL model for strategic planning in the national energy sector.

Consultant

August 2016

January 2017

International Resources Group, an Engility Company

- Assist on Implementation Plan for Electricity Market Opening
- Assist on Selection of Option for Establishing or Joining a PX

August 2016

December 2016

Energy Institute Hrvoje Pozar (Energy Community)

Project: Study on Examining the Implementation of the EU Acquis on Value Added Tax in the Energy Community Legal order

June 2016

June 2017

Winrock International.

Transposing EU RES Directive.

- Develop Methodology for calculation of the energy generated from renewable sources and from high-efficient combined facilities that is applied for calculating

the indicative trajectory for determining the dynamics for achieving the mandatory targets

-Develop Methodology for calculation of gross final energy consumption from renewable energy sources

-Support the Project RE specialist in drafting the Decision for determining the national mandatory targets for the share of energy from renewable sources and of the high-efficient combined facilities in gross final energy consumption in 2020 and for the share of energy from renewable sources in the final energy consumption in 2020, as well as for the indicative trajectory targets

- develop the new biennial RE Progress Report (2014-2015)

- develop Annual Report on Implementation of the 5-year Program for implementation of the Energy Strategy, which according to the Energy Law should be completed by July 31, 2016.

Alternatives to Increase RE Production Share

- Analysis on introduction of alternative incentives to increase the RES power generation,

- Analysis with methodologies on the impact of the FiT on the electricity price.

Introduction of Electronic Energy Data Collection and Sharing System

-providing input and feedback during the process of software development to the company that will be selected by the MoE for that purpose, to ensure that the software is reliable and meets all requirements defined in the Study

-directly involved in the process of development of the energy balance as an indicative and planning document.

Transposition of the New EU EE Directive

- involved in the whole process of transposition of the EE Directive explained under 2.4. Transposition of the New Energy Efficiency EU Directive, and will be participating in the working group established for that purpose.

Modeling of Data Collected by SSO in Household Energy Use Survey/ Revision of the percentage of the RES share in total energy consumption based on the biomass data (revision of the NREAP).

September 2015

February 2016

Winrock International. Developing a feasibility study for establishment of the electronic system for data collection and data sharing for the energy balance.

September 2015

January 2016

Winrock International. Improving the capacities for energy data collection and preparing the energy balance. Trainings and presentation of the new forms that will be used for collection of the energy data necessary for development of the energy balance. Energy balance was developed in accordance with the new methodology (EUROSTAT).

October 2015

Ministry of Economy. Update of the Renewable energy action plan of the Republic of Macedonia up to 2025 with vision to 2030.

June 2015	
September 2015	UNDP. Development of MARKAL model for the City of Skopje and creation of GHG mitigation measures.
July 2015	
August 2015	Strengthening the administrative capacity of the energy department in the Ministry of Economy and the Energy Agency (IPA project), Participation in the process of proposal for feed-in tariffs for high efficient CHP.
July 2015	
August 2015	Strengthening the administrative capacity of the energy department in the Ministry of Economy and the Energy Agency (IPA project), Participation in the process of development of key strategic documents important for the further improvement of the energy sector – biomass. Analyzing the biomass consumption with a view to sustainability, development of different scenarios on biomass consumption, drafting report on biomass and scenarios to become part of the RES strategy update.
July 2015	
August 2015	Strengthening the administrative capacity of the energy department in the Ministry of Economy and the Energy Agency (IPA project), Participation in the process of collection of information on energy projects in Macedonia, development of model for prioritization of energy projects (using the methodology developed under the project), draft list of prioritized energy projects in Macedonia.
April 2015	
June 2015	Strengthening the administrative capacity of the energy department in the Ministry of Economy and the Energy Agency (IPA project), Propose and prepare methodology and criteria for prioritizing energy projects.
December 2014	
March 2015	The Regional Environmental Center for Central and Eastern Europe (REC) Szentendre Hungary, local consultant, participation in the SLED project, providing data and analyzing the results obtained from the energy model used in this project.
November 2014-	
December 2014	Winrock International, local consultant, Development of the first biennial progress report on promotion and use of energy from renewable sources under Directive 2009/28/EC, accepted by the Ministry of Economy and Energy Community
October 2014	
December 2014	E4tech, London United Kingdom, local consultant, participation in the Energy Community Secretariat Project: Sustainability criteria for biofuels.
October 2014-	
December 2014	Energy Agency of the Republic of Macedonia, local consultant, Preparation of the energy balance of the Republic of Macedonia for the period 2015-2019 using the current methodology and rulebook

- July 2014-
December 2014 **Winrock International, local consultant**, Development of a methodology and capacity buildings for the estimation of GHG emission reduction as a result of the use of renewable energy
- July 2014-
September 2014 **Winrock International, local consultant**, Developing analysis and action plan for proper combustion and heating in households.
- October 2013-
December 2014 **Tetra Tech EC, Inc, Arlington, VA, USA, local consultant**, Development of a proposed solution for streamlining data collection by Government of Macedonia (GoM) entities from energy producers and distributors and assist in implementing of the proposed solution; Collaborate with Energy Community Secretariat team providing technical assistance to the State Statistical Office (SSO) to design and pilot test a Household Energy Consumption Survey; Design a data collection system and process for data from vehicle mandatory inspections to be provided by the Ministry of Interior to SSO and Ministry of Economy (MoE) to improve estimates of energy consumption from transport activity; Provide assistance to USAID LED-CEI in drafting a legal action to require energy distribution companies to report monthly and annual energy consumption using NACE; Develop an Energy Performance in Buildings Database, based on the data collected for energy consumption in non-residential buildings for the Green Growth Program.
- April 2014-
October 2014 **SEE Change Net Foundation – Branilaca, Sarajevo BiH. Consultant**, Support of the SEE SEP modelling team

Member of commissions

- September 2014
September 2018 Member of the commission for energy auditors' exam at the Ministry of Economy.

Junior Teaching Assistant

- October 2009 –
December 2009 **Junior Teaching Assistant**, Faculty of Electrical Engineering and Information Technologies, Skopje R. Macedonia (University “Ss. Cyril and Methodius” – Skopje). Taught laboratory exercises in Physics I. Advised and mentored students.
- November 2009 –
December 2009 **Junior Teaching Assistant**, Faculty of Electrical Engineering, Radovish, R. Macedonia (University “Goce Delcev” – Shtip). Taught laboratory exercises in Information. Advised and mentored students.

Languages: Macedonia (native), English (excellent), Serbian and Croatian (excellent), Bulgarian (fair)

Publications in Journals with impact factors:

1. Dedinec Aleksandra, Filiposka S., **Dedinec Aleksandar**, Kocarev, L., Deep belief network based electricity load forecasting: An analysis of Macedonian case, *Energy*, Volume 115, Part 3 (2016), pp.1688–1700
2. **Dedinec, A.**, Jovanovski B., Gajduk, G, Kocarev L., Markovska N, Analysis of electric vehicle penetration into energy systems predominantly based on lignite, *European Physical Journal, The European Physical Journal Special Topics*, Volume 225, Issue 3, May 2016, pp 595-608.
3. Kanevce G., **Dedinec Aleksandar**, · Dedinec Aleksandra, Optimal usage of biomass for energy purposes toward sustainable development - a case of Macedonia, *Thermal Science*, 2016, doi:10.2298/TSCII60208057K
4. Kanevce ·G., **Dedinec Aleksandar**, · Dedinec · Aleksandra, Kanevce Lj. Long-term predictions of the energy development - possibilities and challenges, *Thermal science* 2016, doi: 10.2298/TSCII60126017K
5. **Dedinec, A.**, Taseska-Gjorgievska, V. Markovska, N., Obradovic Grncarovska T., Duic N., Pop-Jordanov J., Taleski R., Towards post-2020 Climate Change Regime: Analyses of Various Mitigation Scenarios and Contributions for Macedonia, *Energy*, 94 (2016) 124-137.
6. **Dedinec A.**, Taseska-Gjorgievska V., Markovska N., Pop-Jordanov J., Kanevce G., Goldstein G., Pye S., Talevski R. Low emissions development pathways of the Macedonian energy sector, *Renewable & Sustainable Energy Reviews*, Year 2016 Vol. 53, pp. 1202–1211.
7. Dedinec Aleksandra, **Dedinec Aleksandar**, Markovska N., Optimization of heat saving in buildings using unsteady heat transfer model, *Thermal Science*, *Thermal Science: Year 2015*, Vol. 19, No. 3, pp. 881-892.
8. **Dedinec A.**, Markovska N., Ristovski I., Veleviski G., Taseska-Gjorgievska V., Obradovic Grncarovska T., Zdraveva P., Economic and Environmental Evaluation of Climate Change Mitigation Measures in the Waste Sector of Developing Countries, *Journal of Cleaner Production*, Year, 2016, Vol. 88, pp. 234–241.
9. Taseska-Gjorgievska V., **Dedinec A.**, Markovska N., Pop-Jordanov J., Kanevce G., Goldstein G., Pye S., Exploring the Impact of Reduced Hydro Capacity and Lignite Resources on the Macedonian Energy Sector, *Thermal Science*, Year 2014, Vol. 18, No. 3, pp. 721-730
10. **Dedinec A.**, Markovska N., Taseska V., Duić N., Kanevce G., Assessment of Climate Change Mitigation Potential of the Macedonian Transport Sector, *Energy* 57 (2013) 177-187, Elsevier Journal.
11. Taseska V., **Dedinec A.**, Markovska N., Kanevce G., Goldstein G., Pye S., Assessment of the Impact of Renewable Energy and Energy Efficiency Policies on the Macedonian Energy Sector Development, *J. Renewable Sustainable Energy* 5, 041814 (2013); doi: 10.1063/1.4813401
12. **Dedinec A.**, Taseska V., Markovska N., Kanevce G., Boseviski T., Pop-Jordanov J., The Potential of RES for GHG Emissions Reduction, *Thermal Science*, 2012, Vol. 16, No. 3, pp. 717-728.

Publications in proceedings:

1. **Dedinec A.**, Taseska-Gjorgievska V., Markovska N., Kanevce G., Pop Jordanov K., Comparative analysis of the development of the energy system of Macedonia until 2035, *International Symposium “Energetics 2016”* pp.373-384
2. Taseska-Gjorgievska V., **Dedinec A.**, Markovska N., Grncarovska-Obradovikj T., Kanevce G., Pop Jordanov K., Analysis of the opportunities for climate change mitigation with a bottom-up approach – the case of Macedonia, *International Symposium “Energetics 2016”* pp.161- 174

3. Markovska N., Taseska-Gjorgievska V., Dedinec A., Obradovic-Grncarovska T., Pop-Jordanov J., Kanevce G., **Европски цели за климатски промени во 2030 година – перспектива на земја кандидат за членство во Европската Унија**, *Зборник на трудови од научната конференција „Македонија кон Европската Унија (2020) – искуства, предизвици и перспективи“*, мај 2016, страници (достапно и на албански и на англиски јазик)
4. Andonov V., **Dedinec A.**, Updating the strategy for energy development of the Macedonia until 2035: Lessons Learned, Energy Scenarios for SE Europe: A close look into the Western Balkans, Proceedings of the Enlargement and Integration Action Workshop, Vienna, 15th of December 2015, pp. 27-28.
5. Dedinec Aleksandra, **Dedinec Aleksandar**, Correlation of variables with electricity consumption data, ICIST 2016, Кopaоник, R. Serbia
6. **Dedinec A.**, Taseska-Gjorgievska V., Markovska N., Kanevce G., Pop-Jordanov J., Delaquil P., Goldstein G. Impact Assessment of the Energy Efficiency Directive Implementation in the Energy Community Countries. SDEWES2015, Dubrovnik, 27 September - 2 October 2015, Book of Abstracts; Full Paper in Proceedings
7. **A. Dedinec**, N. Markovska, N. Duic, T. Obradovic Grncarovska, V. Taseska-Gjorgievska, G. Kanevce, J. Pop-Jordanov. Environmental, economic, and social aspects of climate change mitigation in Macedonia. SDEWES2015, Dubrovnik, 27 September - 2 October 2015, Book of Abstracts; Full Paper in Proceedings
8. Aleksandra Dedinec, Sonja Filiposka, **Aleksandar Dedinec**, Ljupco Kocarev. Deep belief network based load forecasting of the Macedonian electric power system. SDEWES2015, Dubrovnik, 27 September - 2 October 2015, Book of Abstracts.
9. Tomislav Novosel, **Aleksandar Dedinec**, Boris Ćosić, Natasa Markovska, Tomislav Pukšec, Goran Krajačić, Neven Duić. Role of district heating in energy systems with a high share of renewables – A case study for the country of Macedonia. SDEWES2015, Dubrovnik, 27 September - 2 October 2015, Book of Abstracts; Full Paper in Proceedings
10. Markovska N., **Dedinec A.**, Taseska-Gjorgievska V., Obradovic Grncarovska T., Duić N., Pop-Jordanov J., Kanevce G., Towards post-2020 climate change regime: Comparative assessment of various scenarios and contributions for a non-Annex I country, SDEWES.SEE2014-0133, Ohrid, 29 June- 3 July 2014, Book of Abstracts; Full Paper in Proceedings
11. Taseska-Gjorgievska V., **Dedinec A.**, Markovska N., Pop-Jordanov J., Kanevce G., Towards affordable, secure and acceptable electricity supply: Analysis of the fuel mix changes in a power system predominantly based on coal, SDEWES.SEE2014-0132, Ohrid, 29 June- 3 July 2014, Book of Abstracts; Full Paper in Proceedings
12. Markovska N., Taseska-Gjorgievska V., **Dedinec A.**, Obradovic Grncarovska T., Duić N., Pop-Jordanov J., Kanevce G., EU 2030 climate targets - a perspective of an EU candidate country, SDEWES.SEE2014-0147, Ohrid, 29 June- 3 July 2014, Book of Abstracts; Full Paper in Proceedings
13. Sazdovski I, Taseska-Gjorgievska V., **Dedinec A.**, Markovska N., Creating an enabling environment for successful energy management in municipalities with double-layer self-government – Case study of the City of Skopje, SDEWES.SEE2014-0128, Ohrid, 29 June- 3 July 2014, Book of Abstracts; Full Paper in Proceedings
14. **Dedinec A.**, Taseska-Gjorgievska V., Markovska N., Pop-Jordanov J., Kanevce G., Goldstein G., Pye S., Low Emissions Development Pathways of the Macedonian Energy Sector, SDEWES2013.0751, Dubrovnik, 22-27 September 2013, Book of Abstracts; Full Paper in Proceedings
15. Taseska-Gjorgievska V., **Dedinec A.**, Kasek L., Bayar A., Dramais F., Opese M., Energy and Environmental Policies in Macedonia, EcoMod2013 Conference, Book of Abstracts; Full Paper in Proceedings

16. Taseska-Gjorgievska V., **Dedinec A.**, Markovska N., Pop-Jordanov J., Kanevce G., Goldstein G., Pye S., Exploring the Impact of Reduced Hydro Capacity and Lignite Resources on the Macedonian Energy Sector, SDEWES2013.0752, Dubrovnik, 22-27 September 2013, Book of Abstracts; Full Paper in Proceedings
17. Kanevce A., **Dedinec A.**, Markovska N., Optimization of heat saving in buildings using unsteady heat transfer model, SDEWES2013-0551, Dubrovnik, 22-27 September 2013, Book of Abstracts; Full Paper in Proceedings
18. Ristovski I., **Dedinec A.**, Velevski G., Zdraveva P., Grncarovska T., Markovska N., Assessment of Climate Change Mitigation Potential of Waste Sector in a Developing Country, SDEWES2013.1112, Dubrovnik, 22-27 September 2013, Book of Abstracts; Full Paper in Proceedings
19. **Dedinec A.**, Kanevce A., Computational algorithm for estimation of heat energy saving in conventional and new designed flats, ICIST , Kopaonik 3-6 March 2013, Full Paper in Proceedings
20. **Dedinec A.**, Taseska V., Markovska N., Kanevce G., Assessment of Climate Change Mitigation Potential of the Macedonian Transport Sector, 7th Conference on Sustainable Development of Energy, Water and Environment Systems, SDEWES – Ohrid, 1-6 July 2012, Book of Abstracts; Full Paper in CD Proceedings
21. **Dedinec A.**, Taseska V., Markovska N., Kanevce G., Bosevski T., Pop-Jordanov J., The Potential of RES for GHG Emissions Reduction, 6th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems, 25-29 September 2011, Book of Abstracts; Full Paper in CD Proceedings,
22. **Dedinec, A.**, Stankovski, M., Mobile Robot Navigation in Unstructured Environment Using Vision Sensors, X International Conference ETAI 2011, 16-20 September 2011, (published in the Proceedings)
23. Deskovski, S., Sazdovski, V., **Dedinec, A.**, Quaternion Based Modeling and Control of Quadrotor X Triennial International SAUM Conference on System, Automatic Control and Measurements Nish, Serbia, 10-12 November 2010.

Reviewer for the following journals with impact factor: Renewable energy, Thermal Science and Journal of renewables and sustainable energy.

REN 21 contributor, Participation in the publication UNECE Renewable Energy Status Report.