CV (Resume)

Michael Marchenko

Work experience:

Present – 2014 Trilogi University www.universitas-trilogi.ac.id

Present – 2013 Zimmermann programming contests http://azspcs.com/

Present – 1995 Private tutoring in math, physics, English, sociology.

Present – 1993 Activism in human rights and free speech

2019 – 2018 Priok Nursery Academy www.akbidsismadi.ac.id

2018 Tzu Chi School https://www.tzuchi.sch.id/

2018 – 2017 IKIFA Pharmacy Academy www.ikifa.ac.id

2018 – 2017 New Zealand Independent School www.nzis.school.nz

2017 – 2016 Denso Japanese company www.denso.com

2017 – 2015 Russian Embassy in Indonesia www.indonesia.mid.ru/web/eng

2014 – 2012 Royal Buckingham International School (RBIS) royalbuckinghaminstitution.com

2012 – 2011 LAPAN space technology, Indonesia (Lapan.go.id)

2012 – 2011 PT Subur Sakti: http://www.subursakti.co.id/

2011 “Wave Tech” (A high tech company from the USA) (WaveTekk.com)(YellowMice.com)

2011 – 2008 Journalist of “The Spark” newspaper in Ukraine, specializing in science

2007 Journalist of “Predawn Lights” newspaper in Ukraine, specializing in science

2006 “Oranta”, Insurance Company, Ukraine (Oranta.ua)

2006 – 2001 Ecology – GEOS, Ukraine

2003 Auckland University of Technology (AUT)

2002 – 2000 UNSW, Australia (UNSW.edu.au)

2000 Dnepropetrovsk State (National) University (DNU.dp.ua)

2000 – 1997 Environmental Institute, Ukraine

1999 World Bank. worldbank.org

1999 – 1998 Duke University, the USA (Duke.edu)

1999 – 1994 “Orbit” (Orbita.dp.ua)

Education:

2006 – 2002 UNSW, Australia (PhD program) (UNSW.edu.au)

2002 UTS, Australia (English language program) (UTS.edu.au)

1999 – 1998 Duke University, the USA (Master’s program) (Duke.edu)

1998 UPENN, the USA (English language program) (UPENN.edu)

2002 – 1997 Geo-technical mechanics institute (PhD program) (igtm.narod.ru)

1997 – 1996 Course in political science in English language taught by Dr. Golam Mustafa

1996 – 1995 Course of world history in English language by Dr. Paul Bradbeer

1997 – 1989 Dnepropetrovsk National University (DNU), Ukraine

(Master’s and Bachelor’s studies) (DNU.dp.ua). Studying math, science, rockets, missiles, and space technology.

Publications:

Alpha- dependence of transition frequencies for some ions of Ti, Mn, Na, C, and O, and the search for variation of the fine-structure constant J.C. Berengut, V.A. Dzuba, V.V. Flambaum, and M.V. Marchenko, Phys. Rev. A Phys. Rev. A 70, 064101 (2004), physics/0404008 and more recent astro-ph/0408542

Alpha- dependence of transition frequencies for ions SiII, CrII, FeII, NiII, and ZnII, V.A. Dzuba, V.V. Flambaum, M.G. Kozlov, and M. Marchenko, Phys. Rev. A, 66, 022501 (2002).

V.A. Dzuba, V.V. Flambaum, M.V. Marchenko, Phys. Rev. A 68, 022506 (2003).

Laboratory spectroscopy and the search for space-time variation of the fine structure constant using QSO spectra J.C. Berengut, V.A. Dzuba, V.V. Flambaum, M.G. Kozlov, M.V. Marchenko, M.T. Murphy, and J.K. Webb physics/0408017

Dzuba V., Flambaum V., Kozlov M. and Marchenko M. The Alpha- dependence of transition frequencies for ions Si II, Cr II, Fe II, Ni II, and Zn II. International Journal Physical Review, 2002.

Marchenko M. Mathematical modeling of remote sensing and its application to the most efficient distribution of resources. Annual publication of NATO Advanced Research Workshop papers, 2001.

Marchenko M.V. Published paper of the conference: Environmentally Safe Products; Way to Survival. Dnepropetrovsk, Ukraine, 29-30 November 1999. The topic of my presentation: On the Transition from the Economic Paradigm to the Environmental Paradigm.

Loboda V.V. and Marchenko M.V. Combination of Analytical and Numerical Methods for Determining Stress Intensity Factor for Interfacial Crack. Journal of Physical-Chemical Dynamics of Materials, N. 6, 1998. Lvov, Ukraine.

Marchenko M.V. Description of the Physical Processes Around the Crack on the Interface of Two Materials, Taking Into Account Electromagnetic Effects and Electroelasticity. "Collection of Scientific Papers in Physics." Dnepropetrovsk State University Press, Dnepropetrovsk, Ukraine (1998).

Marchenko M.V. Application of Boundary Element Method to Description of ?Crack on the Interface of Two Media. Journal "Collection of Scientific Papers in Physics." Dnepropetrovsk State University Press, Dnepropetrovsk, Ukraine (1996).

Marchenko M.V. Texts of presentations at the conference "FRANCE ET UKRAINE, EXPERIENCE SCIENTIFIQUE ET PRACTICUE DANS LE CONTEXTE DU DIALOGUE DES CULTURES NATIONALES" which took place on the 22-25 of May of 1995 in Dnepropetrovsk, Ukraine. The theme of my presentation was "Mathematical Modeling of Distribution of Pollutants in the Air". Dnepropetrovsk State University Press 1995.

Loboda V.V. and Marchenko M.V. Texts of presentations at the conference "Problems Physics and Applied Mathematics" in Ternopol (Ukraine) in April of 1995. Ternopol State University Press 1995. The theme of presentation: "Application of Boundary Integral Equations for Determining of Stress Intensity Factors for the Interfacial Crack".

Workshops presentations:

Present – 2014 Universities, schools workshops and conferences presentations

2018 – 2017 IKIFA workshops and conferences presentations

2018 – 2017 NZIS workshops and conferences presentations

2014 – 2012 RBIS workshops and conferences presentations

2011 LAPAN workshops and conferences in space technology.

2008 DNU research seminar, PhD thesis presentations and publications in nuclear science (DNU.dp.ua)

2001 NATO advanced research workshop (in English language), presentations and publications in remote sensing in environmental monitoring

2000 In Poland (in English language) workshop in environmental science, presentations and publications on remote sensing in environmental monitoring.

1997 CEU workshop in Budapest, Hungary (in English language) workshop in philosophy of science, presentations on philosophy of science

1997 Slovakia, Czech Republic, and Poland (in English language) workshop in environmental science and cultures.

1996 CEP, CEU workshop in Budapest, Hungary (in English language) workshop in international relations, presentations and publications on international relations

1995 Dnepropetrovsk State University (in French, Russian and Ukrainian languages) workshop in environmental science, presentations and publications on remote sensing in environmental monitoring and analysis.

My participation in the world math, physics and computer programming championships:

http://azspcs.net/

http://sokoban-gild.com/ranking.cgi

http://www.v-sonline.com/index.pl?C5\_leader

My own computer code:

I have created by own computer code to solve many problems of mathematical physics and discrete mathematics.

Works in progress:

I publish about this:

Western expats terrorized me in Indonesia, I published about it in July of 2019.

I fought for freedom and published about it in June of 2019.

My father is very ill, mostly because USA kills my father.

Canada promised processing tourist visa application in 6 days but after 20 days no result. This is real torture and unfair treatment of my wife, me, my other family members. West did too many crimes against humanity and keeps doing terrible crimes.

Mr. Zelensky officially became president of Ukraine but he is incompetent, evil, liar, corrupt, supports Russia too much.

I participated in European politics in early May of 2019.

I participated in Philippines and Australian elections in May of 2019.

I participated in Indonesian and Ukrainian elections in April of 2019.

Indonesia police tortured me near USA embassy in Jakarta on 27.3.2019.

Analysis of Mosque mass shooting in Christchurch, New Zealand on 15.3.2019.

Analysis of why I was given Singaporean visa.

12 March 2019 Singapore visa case study and scientific publication.

Russian occupation of Crimea and Donbass 5 anniversary in March of 2019.

Youtube views statistics analysis in February of 2019.

Debaltseve battle 4 years later in February of 2019.

February of 2019 Ukraine revolution in February 5 years later.

January of 2019 Ukraine revolution in January.

December of 2018 Russian human rights activist Alekseyeva math analysis, etc.

November, October, September of 2018 analysis of crime and corruption research.

August of 2018 Ukraine war analysis 14 pages

July of 2018 political events analysis 17 pages

June of 2018 political events analysis 17 pages

USA embassy case math analysis in May 2018

Space systems analysis in April 2018

Syria attacks of April 2018 math analysis

NZIS case math analysis

Political data statistical analysis 2018.

Social media statistical analysis 2018.

Statistical analysis of the international mental illness data 2018.

Application of electrical engineering mathematical methods in social sciences 2017.

Application of Chebyshev polynomials in pattern recognition 2017.

Increasing precision of telemetry measurement 2017. Submitting to IEEE: http://www.ieee.org

Saaty Analytic hierarchy process improvement for multi-criteria optimization 2017.

Formal method of describing (modeling) the uncertainty of input data required for the calculation of technical and economic indicators 2016.

Testing differential equations numerical methods for dynamics of technical systems 2016.

Analytical method of solving of the equations of orbital motion of a satellite using

Pattern recognition

Financial market modeling

Integrating the equations of motion of the satellite

Quantum computing

Quantum cryptography assessments

Application of Graph Theory in cryptography

Smart Grids modeling

Member of professional societies:

Computer society of Australia

Society of Australian physicists

All my main documents are here:

https://michaelmarchenko.weebly.com/

https://mike4july1972documents.weebly.com/