

VLADO SPIRIDONOV, Ph.D.

Curriculum Vitae

University Professor Dr.
"University of Vienna", "Faculty of Earth Science, Geography
and Astronomy", Department of Meteorology and Geophysics
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E D U C A T I O N

- 2002 **Doctor of Philosophy in Meteorology**
*Department of Meteorology, Faculty of Physics
Belgrade University*
- Thesis Title:**
"The cloud model application in simulation of
transport and redistribution of pollutants in the
atmosphere"
Thesis Advisors: Prof. M. Curic, Prof.
D.Markovic, Prof Dj. Radinovic, and Prof.
D.Janc
(Research done at the Department of
Meteorology, Faculty of Physics, and
Belgrade University)
- 2000 **Master of Science in Meteorology**
*Department of Meteorology, Faculty of Physics
Belgrade University*
- Thesis Title:**
"The Eta-model application in simulation of the
adverse Weather phenomena in Macedonia"
Thesis Advisors: Prof
Dj. Radinovic Prof. M. Curic, Prof.L.Lazic
(Research done at University of Malta,
International Center for Coastal Dynamics)

ACADEMIC POSITION

2000	Assistant in group of subjects in meteorology
2002-2006	Lecturer in group of subjects in
meteorology	
07/2007	Assistant Professor at Faculty of Natural
Science	and Mathematics, Institute of
Physics-	Meteorology
08/2012	Associate Professor at Faculty of Natural
Science	and Mathematics, Institute of
Physics-	Meteorology
06/2017	Associate Professor at Faculty of Natural
Science	and Mathematics, Institute of
Physics-	Meteorology
10/2017	University Professor Dr., Vienna
	University, Faculty of Earth Science
	Geography and Astronomy-Department
	of Meteorology and Geophysics

ACADEMIC TEACHING COURSES

Mesoscale Dynamics,
Exercises in Mesoscale Dynamics
Atmospheric Systems
Meteorology
Dynamic Meteorology
Meteorological observations and instruments
radar and satellite meteorology and remote
sensing
Weather analysis and forecast
Atmospheric Modelling
Dynamical Meteorology
Applied Meteorology
Graduate and postgraduate courses in
Meteorology
Mesoscale Dynamics
Meteorology II

CURRENT RESEARCH ACTIVITIES

- ❖ Cloud physics and chemistry

- ❖ Convective cloud modeling
- ❖ Numerical weather prediction
- ❖ Numerical Experimentation
- ❖ Sulfate chemistry and acid rainfall
- ❖ Air quality, geohazards and climate studies
- ❖ Weather Modification
- ❖ Severe weather and nowcasting
- ❖ Tropical convection
- ❖ Cloud seeding modeling

INVITED TALKS AND SEMINARS

- Invited speaker or lecturer for delivery of talks, lectures or special training seminars in many universities, institutes, organizations, services worldwide;
- Participation in many international conferences, workshops symposia, summer schools.

MAJOR AWARDS AND RECOGNITIONS

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| 09/2000 | Patent of Year -2000 in Republic of Macedonia, Ministry of Economy the Government of R.Macedonia |
| 11/2000 | Gold medal with mention EUREKA-2000, International Exhibition Brussels-Belgium |
| 11/2000
Innovations | GENIUS-2000 Hungarian Association for |
| 04/2002 | GRAND GENIUS PRIZE on "GENIUS 2002" International Exhibition of Innovations and New Technologies Budapest, Hungary |
| 03/2004 | <u>Post-Doctoral Fellow.</u> Canadian Government. Environment Canada. Air quality modeling division Dr. Wan Min Gong (supervisor) position was canceled due to appointment as Director-General of Hydro Meteorological Institute by the Government of Republic of Macedonia |

OTHER ACTIVITIES OF PUBLIC INTEREST

- Member of the Editorial Board of Journal of Environmental Protection
- Reviewer of many scientific journal papers, articles and books.

- Official Faculty Representative in Macedonian National Committee of Climate Change.
- Strong contribution to affirmation of the hydrometeorology among governmental agencies, private sector and public media through participation in many TV scientific programs devoted to atmospheric and environmental issues, newspapers e.t.c.
- Organization of a different international events (e.g. conferences, meetings, workshops, seminars)

SELECTED PUBLICATIONS

BOOKS

- 06/2010 **"METEOROLOGY"** in Macedonian, Author Vlado Spiridonov-Skopje: 2010-317 p., ISBN 976-9989-57-642-331, COBBIS.MK-ID 79389450
- 09/2010 **"AN INTRODUCTION TO METEOROLOGY"**, in English, Authors Vlado Spiridonov and Mladjen Curic. -Skopje : 2010 - 241 p., ISBN 978-608-65175-0-2 COBISS.MK-ID 83607306
- 12/2012 **"WEATHER CONDITIONS AND HEALTH"** in Macedonian, Authors: Vlado Spiridonov and Oliver Zafirovski, 244 p., ISBN 978-608-65175-1-9, COBISS, MK-ID 92945674
- 01/2014 **"WEATHER AND HUMAN HEALTH"** , in English, Authors: Vlado Spiridonov, Mladjen Curic and Oliver Zafirovski, 344 p., ISBN 978-608-65175-2-6, COBISS, MK-ID 95152138

PAPERS

Author and co-author of more than sixty scientific articles and proceedings in recognizable journals and proceedings (e.g. Atmospheric Sciences, Canadian Journal of Physics, Pure and Applied Geophysics, Atmospheric-Physics-Chemistry Journal, Asian Pacific Journal of Atmospheric Sciences (APJAS), Atmospheric Research, Advances in Meteorology and others).

REFERENCES

- Prof. Dr. Mladjen Curic, University of Belgrade, Physical Faculty, Department of Meteorology, curic@ff.bg.ac.rs
- Prof. Dr. Teodoros Karacostas, Aristotelian University, Greece, Department of meteorology and climatology, director, karac@geo.auth.gr
- Prof. Dr. Zev Levin, The Cypros Institute for Energy, Environment and Water, Email: z.levin@cyi.ac.cy; zevlev@post.tau.ac.il
- Prof. Dr. Blagoj Veljanoski, University St. Cyrill and Methodius-Skopje, Faculty of Natural Sciences and Mathematics, Institute of Physics, Macedonia. E-mail: blagoj@pmf.ukim.mk
- Prof. Dr. Daniel Rosenfeld, The Hebrew University in Jerusalem, Earth Science institute, Israel, E-mail: daniel.rosenfeld@huji.ac.il
- Prof. Dr. Marjan Gusev, University of Skopje, Faculty of Informatics Technology and Computer Engineering-Skopje, Macedonia E-mail: mgusev@finki.ukim.mk