

CURRICULUM VITAE

IVANA STIPERSKI

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ResearchGate: https://www.researchgate.net/profile/Ivana_Stiperski

Google Scholar: <https://scholar.google.at/citations?user=tVmunFwAAAAJ&hl=en>

Instagram: <https://www.instagram.com/Uibk.climate/>

EDUCATION

- 2010 Ph.D. University of Zagreb, Faculty of Science, Department of Geophysics, Zagreb, Croatia. PhD studies (Physics of the Atmosphere and Ocean): "*Wave resonance and surface flow in the lee of complex orography*". Advisor: Prof. Vanda Grubišić (University of Vienna)
- 2004 M.Sc. (Diploma) University of Zagreb, Faculty of Science, Department of Geophysics, Zagreb, Croatia (Physics-Geophysics): "*Tornado genesis in Croatian airspace*". Advisor: Mag. Katarina Stanković

WORK EXPERIENCE

- 2019 – present Ingeborg Hochmair Professor of Atmospheric Turbulence, Department of Atmospheric and Cryospheric Sciences, University of Innsbruck, Austria
- 2015 – 2019 Hertha-Firnberg Fellow, Department of Atmospheric and Cryospheric Sciences, University of Innsbruck, Austria
- 2017 Visiting Scientist at University of Utah, Salt Lake City, Utah (2 months)
- 2016 Visiting Scientist at University of Utah, Salt Lake City, Utah (4 months)
- 2011 – 2015 Post-doctoral Researcher (Universitätsassistentin), Department of Atmospheric and Cryospheric Sciences, University of Innsbruck, Austria.
- 2010 – 2011 Research Associate, Meteorological and Hydrological Service, Croatia.
- 2010 Visiting scientist at University of Vienna, Vienna, Austria (4 months)
- 2007 Visiting scientist at TIIMES, NCAR, Boulder, Colorado
- 2006 Visiting scientist at Desert Research Institute, Reno, Nevada (4 months)
- 2005 Visiting scientist at Czech Meteorological Institute, Prague, Czech Republic (2 months)
- 2005 Visiting scientist at Meteo-France, CNMR, GMAP, Toulouse, France.
- 2004 – 2010 Research Assistant, Meteorological and Hydrological Service, Croatia.

FUNDING EXPERIENCE (PRINCIPAL INVESTIGATOR)

- 2021- ERC Consolidator Grant: Developing a novel framework for understanding and scaling near-surface turbulence in complex terrain (Unicorn). Net worth: 1 960 500 €
- 2019 FSP Alpine Space Infrastructure Fond (UIBK). Net worth: 61 656 €
- 2015-2019 Hertha Firnberg (FWF): Scale interactions in stable boundary layer over mountainous terrain. Net worth: 226 530 €

2014-2015 HydraLab IV TA: Influence of secondary orography on boundary layer separation and rotors (Together with partners from Austria, Croatia, USA, Germany, Iceland, Australia). Net worth: 100 000 €

INTERNATIONAL SCIENTIFIC COLLABORATIONS

Calaf, M., University of Utah, USA
Chamecki, M., University of California Los Angeles, USA
Cuxart, J., University of Balearic Islands, Spain
Holtslag, A.M., University of Wageningen, The Netherlands
Grisogono, B., University of Zagreb, Croatia
Katul, G., Duke University, USA
Mahrt, L., Oregon State University, USA
Mott, R., SLF, Davos, Switzerland
Vercauteren, N., Freie Universität Berlin, Germany
De Wekker, S., University of Virginia, USA
Whiteman, C.D., University of Utah, USA

Past projects

2016-2019 METCRAX II (**Collaborator**, PI: C.D. Whiteman, University of Utah)
2013-2018 Investigating spatial inhomogeneity of surface layer turbulence in complex terrain (**Co-PI**, PI: Prof. M. W. Rotach, University of Innsbruck)
2013-2018 Turb-i-Box (**Co-PI**, PI: Prof. M. W. Rotach, University of Innsbruck)
2011-2015 Innsbruck-Box (i-Box) (**Project coordinator**, PI: Prof. M. W. Rotach, University of Innsbruck)
2011-2014 HydraLab IV TA: Exploring the role of wave drag in the stable stratified oceanic and atmospheric boundary layer (**Collaborator**, PI: Dr. G.J. Steeneveld, Mr. M. Kleczek, University of Wageningen, together with partners from Netherlands, Austria, Croatia, Romania)
2006-2010 Terrain-induced Rotor Experiment (**PhD student**, PI: Prof. Vanda Grubišić, Desert Research Institute, Nevada, USA and University of Vienna, a multi-national project from Europe and USA)
2005-2006 ALARO-O (**Visiting Scientists**, Meteo-France, in collaboration with a number of European countries)
2004-2011 Storms and natural disasters in Croatia (**PhD student**, PI: Dr. Branka Ivančan-Picek, PhD Student)

HONORS, AWARDS AND SCHOLARSHIPS

2020 City of Innsbruck 2020 Prize for Scientific Research at the Leopold-Franzens-University (Preis der Landeshauptstadt Innsbruck für die wissenschaftliche Forschung 2020)
2020 Mountain Meteorology Outstanding Early Career Award awarded by American Meteorological Society
2012 Dr. Gerhart Schinze Prize (Austrian Prize in Dynamic Meteorology) award by the Austrian Meteorological Society for outstanding and innovative work in the field of analysis and simulation of synoptic and mesoscale processes in the atmosphere
2011 L’Oreal-UNESCO National Fellowship For Women in Science – awarded to outstanding women scientists in the early stages of their career to enable and/or facilitate promising scientific research

- 2010 Scholarship awarded by the Scholarship Council of the Scholarship Foundation of the Republic of Austria
- 2010 Student Travel Award for the participation at "International School on Topographic Internal Waves", Cargèse, France
- 2008 AMS Best Student Poster Presentation at 13th Conference on Mountain Meteorology, Whistler, Canada
- 2008 Student Travel Award for the participation on AMS/COMET/MSC Mountain Weather Workshop, Whistler, Canada
- 2006 AMS Best Student Poster Presentation at 12th Conference on Mountain Meteorology, Santa Fe, USA
- 2006 EMS Young Scientist Travel Award at 12th Conference on Mountain Meteorology, Santa Fe, USA
- 2002 Scholarship awarded by the City of Zagreb
- 2002 Scholarship awarded by the University of Zagreb
- 2001 Scholarship awarded by the University of Zagreb
- 2001 Dean's Award for the Best Student of the Academic Year, Department of Geophysics, Faculty of Science, University of Zagreb

TEACHING (University of Innsbruck)

Master courses:

- Boundary Layer Meteorology (2019 –)
- Dynamic-Synoptic Meteorology (2019-)
- Reading, Writing, Presenting Scientific Content (2019 –)
- Field Course in Alpine Meteorology (2012 – 2015, 2020 –)
- Exercises in Geophysical Fluid Dynamics (2012 – 2015)
- Weather discussion (2013 – 2015)

Bachelor courses:

- Exercises in Theoretical Meteorology II: Dynamics (2012 – 2015, 2019 –)
- Exercises in Theoretical Meteorology I: Thermodynamics (2011 – 2015)

Other:

- Sommertechnikum MINT (2017) summer school for female high school students in STEM
- InnSAR, Innsbruck Summer School of Alpine Research 2015 (Surface-Atmosphere Exchange over Mountainous Terrain)

ADVISOR (University of Innsbruck)

PhD students: Georgios Bagiatis (advisor), Eleni Sfyri (co-advisor)

Master students: advisor: Roman Brogli, Martina Bramberger, Veronika Krieger, Alexander Kehl, Riccardo Alvarez Montavalo, Alexander Rudolf, Andreas Rauchöcker, Anna Paola Lonardi; co-advisor: Giovanni Massaro, Markus Emprechtlinger, Alessio Gozio

Bachelor students: Stella Hell, Hannah Kranz, Monica Abram

PhD thesis reviewer and member of evaluation committee: Mario Schiavon (University of Bologna), Pleun Bonekamp (Utrecht University), Lena Pfister (University of Bayreuth)

FIELD EXPERIENCE

- 2019 SEECAP experiment
- 2018 HEFEX experiment
- 2011 – 2015 Set-up and maintenance of i-Box turbulence measurement sites
- 2011 – 2015 Teaching the Field Course in Alpine Meteorology
- 2006 Terrain-induced Rotor Experiment

SERVICE TO UNIVERSITY and INTERNATIONAL SCIENTIFIC COMMUNITIES

Committee Member

- TeamX Numerical Modelling Committee
- GEWEX GHP Panel
- Committee on Mountain Meteorology (American Meteorological Society)
- Doctoral school Climate on all times scales (University of Innsbruck)
- Curriculum Committee (University of Innsbruck)
- Faculty Committee (University of Innsbruck: Deputy representative)
- QV Committee
- Search Committee for the position on Paleoclimate modelling

Organizational (co-convenor, organization committee, chair)

1. International Conference on Alpine Meteorology, Sankt Galen, 2021 – scientific committee
2. EGU General Assembly, 2014/2015/2016/2018/2019 – co-convenor of the session “Atmospheric processes in complex terrain” and session chair
3. InnSAR, Innsbruck Summer School of Alpine Research, Innsbruck, 2015
4. Davos Atmosphere and Cryosphere Assembly (DACA), Davos, 2013– co-convenor of the session “Dynamics of Mountain Weather and Climate” and session chair
5. International Conference on Alpine Meteorology, Aviemore 2011 – organization committee and session chair
6. 15th Conference on Mountain Meteorology, Steamboat Springs, 2012 – session chair
7. EGU General Assembly, 2011 – session chair

Editorial

Review Editor: *Frontiers in Atmospheric Science*

Associate Editor: *Journal of Applied Meteorology and Climatology*

Peer-Reviewer for journals (over 50 reviews)

Agricultural and Forest Meteorology, Atmosphere, Atmospheric Chemistry and Physics, Boundary Layer Meteorology, Engineering Applications of Computational Fluid Mechanics, Frontiers in Atmospheric Science, Geophysical Research Letters, Geophysical Model Development, Journal of Applied Meteorology and Climatology, Journal of the Atmospheric Sciences, Journal of Atmospheric and Solar-Terrestrial Physics, Journal of Climatology, Journal of Geophysical Research, Meteorology and Atmospheric Physics, Meteorologische Zeitschrift, Monthly Weather Review, Pure and Applied Geophysics, Quarterly Journal of the Royal Meteorological Society, Remote Sensing of the Environment

Peer-Reviewer for proposals

National Science Foundation

Israel Science Foundation

Memberships

Centre for Climate - Cryosphere and Atmosphere, University of Innsbruck (an interdisciplinary research center)

Croatian Meteorological Society, Austrian Meteorological Society, American Meteorological Society, European Geosciences Union, Royal Meteorological Society

SUMMER SCHOOLS AND WORKSHOPS PARTICIPATION

08.-12.10. 2019	Fiber Optic Sensing in Earth and Atmospheric Sciences (FOSES), Thurnau, Germany
27.-31.03. 2017	Workshop on Atmospheric Stable Boundary Layers, Delft, The Netherlands
03.-04.11. 2014	Workshop on advances in Meso- and Micrometeorology, Donja Stubica, Croatia
02.-11.11. 2010	International school on topographic internal waves in the atmosphere and ocean, Cargèse, Francuska
25.2. 2010	'ABL - Current Problems & Advancements', Mini-Workshop on ABL, Zagreb Croatia
07.-10. 9. 2009	ECMWF Annual Seminar, Reading, UK
30.-31.10. 2008	High performance computing on Grid for meteo applications, workshop, Zagreb, Croatia
05.-08. 8. 2008	AMS/COMET/MSC Mountain Weather Workshop: Bridging the Gap between Research and Forecasting, Whistler, Canada
17.-19. 4. 2007	T-REX Data Workshop, Boulder, CO, USA
18.-22. 7. 2005	Advanced Course on Atmospheric Convection, Udine, Italy
04.-10. 6. 2005	Aladin workshop, Bratislava, Slovakia

TECHNICAL SKILLS

- Expert in turbulence measurements (i-Box, HEFEX, SEECAP projects; field courses at Ms level)
- Expert in Eddy covariance
- Experience with remote sensing measurements (large aperture scintillometer, RPG HATPRO)
- Data organisation and analysis, statistics and time series analysis
- Mesoscale numerical modelling with NRL COAMPS modelling system
- Analytical modelling
- Programming in Fortran, MATLAB, R, EdiRe

LANGUAGES

- Croatian: mother tongue
- English: proficient
- German: fluent
- Spanish: basic
- Italian: basic

PEER REVIEWED PUBLICATIONS

REASERCH AND OVERVIEW ARTICLES

1. Chambers, J.R., Smith, M.W., Smith, T., Sailer, R., Quincey, D.J., Carrivick, J.L., Nicholson, L., Mertes, J., **Stiperski, I.**, 2020: A workflow to obtain spatially-distributed Glacier Aerodynamic Roughness estimates from regional elevation data. In: Geophysical Research Letters, in review.
2. **Stiperski, I.**, Chamecki, M., Calaf, M., 2020: Anisotropy of unstably stratified near-surface turbulence. In: Boundary-Layer Meteorology, in review
3. **Stiperski, I.**, Katul, G.G., Calaf, M., 2020: Universal return to isotropy of inhomogeneous atmospheric boundary layer turbulence. In: Physical Review Letters, in review
4. Babić, N., **Stiperski, I.**, Marinović, I., Večenaj, Ž., De Wekker, S. F. J., 2020: Examining relationships between entrainment-driven scalar dissimilarity and surface energy balance

underclosure in a semiarid valley during daytime. In: *Agricultural and Forest Meteorology*, accepted

5. Mott, R., **Stiperski, I.**, Nicholson, L., Mertes, J., 2020: Insights into the effect of spatial and temporal flow variations on turbulent heat exchange at a mountain glacier. In: *The Cryosphere Discussion*, <https://doi.org/10.5194/tc-2020-78>
6. Smith, T., Smith, M.W., Chambers, J.R., Nicholson, L., Mertes, J., Quincey, D.J., Carrivick, J.L., Sailer, R., **Stiperski, I.**, 2020: A scale-dependent model for changing aerodynamic roughness of ablating glacier ice. In: *Journal of Glaciology*, 1-15, <https://doi.org/10.1017/jog.2020.56>
7. Nicholson, L., **Stiperski, I.**, 2020: Comparison of turbulent structures and energy fluxes over exposed and debris-covered glacier ice. In: *Journal of Glaciology*, 66, 543 – 555, <https://doi.org/10.1017/jog.2020.23>
8. Cuxart, J., Martinez-Villagrassa, D., **Stiperski, I.**, 2020: Validation of a simple diagnostic relationship for downslope flow. In: *Atmospheric Letters*, 21: e965, <https://doi.org/10.1002/asl.965>
9. **Stiperski, I.**, Holtslag, A.A.M., Lehner, M., Hoch, S., Whiteman, C.D., 2020: On the turbulence structure of deep katabatic flows on a shallow mesoscale slope. In: *Quarterly Journal of the Royal Meteorological Society*, 146: 1206– 1231. <https://doi.org/10.1002/qj.3734>
10. Goger, B., Rotach, M.W., Gohm, A., **Stiperski, I.**, 2019: A new horizontal length scale for a three-dimensional turbulence parametrization in meso-scale atmospheric modelling over highly complex terrain. In: *Journal of Applied Meteorology and Climatology*, 58/9, 2087 – 2102, <https://doi.org/10.1175/JAMC-D-18-0328.1>
11. Vercauteren, N., Boyko, V., Faranda, D., **Stiperski, I.**, 2019: Scale interactions and anisotropy in stable boundary layers. In: *Quarterly Journal of the Royal Meteorological Society* 145/722, 1799 – 1813, <https://doi.org/10.1002/qj.3524>
12. Schumacher, B., Katurji, M., Zhang, J., **Stiperski, I.**, Dunker, C., 2019: Evolution of micrometeorological observations: Instantaneous spatial and temporal surface wind velocity from thermal image processing. In: *GeoComputation 2019*, <https://doi.org/10.17608/K6.AUCKLAND.9869942.V1>
13. **Stiperski, I.**, M. Calaf, M.W. Rotach, 2019: Scaling, Anisotropy, and Complexity in Near-Surface Atmospheric Turbulence, In: *Journal of Geophysical Research: Atmospheres* 124/3, 1428 – 1448, <https://doi.org/10.1029/2018JD029383>
14. **Stiperski, I.**, M. Calaf, 2018: Dependence of near-surface similarity scaling on the anisotropy of atmospheric turbulence, In: *Quarterly Journal of the Royal Meteorological Society* 144, 641 – 657, <https://doi.org/10.1002/qj.3224>
15. G. Mayr, D. Plavcan, L. Armi, A. Elvidge, B. Grisogono, K. Horvath, P. Jackson, A. Neurer, P. Seibert, J.W. Steenburgh, **I. Stiperski**, A. Sturman, Ž. Večenaj, J. Vergeiner, S. Vosper, G. Zängl, 2018: The community foehn classification experiment, In: *Bulletin of American Meteorological Society* 99, 2229 – 2235, <https://doi.org/10.1175/BAMS-D-17-0200.1>
16. E. Sfyri, M.W. Rotach, **Stiperski, I.**, F.C. Bosveld, M. Lehner, F. Obleitner, 2018: Scalar flux similarity in the near-surface layer over mountainous terrain. In: *Boundary-Layer Meteorology*, 169, 11-46, <https://doi.org/10.1007/s10546-018-0365-3>
17. S. Serafin, B. Adler, J. Cuxart, S.F.J. De Wekker, A. Gohm, B. Grisogono, N. Kalthoff, D.J.

- Kirschbaum, M.W. Rotach, J. Schmidli, **Stiperski, I.,** Ž. Večenaj, D. Zardi, 2018: Exchange processes in the atmospheric boundary layer over mountains. In: *Atmosphere*, 9/3, 102, <https://doi.org/10.3390/atmos9030102>
18. B. Goger, M.W. Rotach, A. Gohm, O. Fuhrer, **Stiperski, I.,** A.A.M. Holtslag, 2018: The impact of 3D effects on the simulation of turbulence kinetic energy structure in a major alpine valley, In: *Boundary-Layer Meteorology*, 168, 1 – 27, <https://doi.org/10.1007/s10546-018-0341-y>
 19. **Stiperski, I.,** S. Serafin, A. Paci, H. Ágústsson, A. Belleudy, R. Calmer, K. Horvath, C. Knigge, J. Sachsperger, L. Strauss, V. Grubišić, 2017: Water Tank Experiments on Stratified Flow over Double Mountain-Shaped Obstacles at High-Reynolds Number. In: *Atmosphere*, 8/1, 13, <https://doi.org/10.3390/atmos8010013>
 20. M.W. Rotach, **Stiperski, I.,** O. Fuhrer, B. Goger, A. Gohm, F. Obleitner, G. Rau, E. Sfyri, J. Vergeiner, 2017: Investigating exchange processes over complex topography: the Innsbruck-Box (i-Box), In: *Bulletin of American Meteorological Society* 98, 787-805, <https://doi.org/10.1175/BAMS-D-15-00246.1>
 21. J. Sachsperger, S. Serafin, V. Grubišić, **Stiperski, I.,** A. Paci, 2017: The amplitude of lee waves on the boundary-layer inversion, In: *Quarterly Journal of the Royal Meteorological Society* 143, 27 – 36, <https://doi.org/10.1002/qj.2915>
 22. **Stiperski, I.,** M.W. Rotach, 2016: On the measurement of turbulent fluxes in complex mountainous terrain, In: *Boundary-Layer Meteorology* 159, 97-121, <https://doi.org/10.1007/s10546-015-0103-z>
 23. M.A. Teixeira, D.J. Kirshbaum, H. Ólafsson, P.F. Sheridan, **Stiperski, I.,** 2016: Editorial: The Atmosphere over Mountainous Regions, In: *Frontiers in Earth Science*, 4, 84, <https://doi.org/10.3389/feart.2016.00084>
 24. B. Goger, M.W. Rotach, A. Gohm, **Stiperski, I.,** O. Fuhrer, O., 2016: Current challenges for numerical weather prediction in complex terrain: Topography representation and parameterizations. In: 2016 International Conference on High Performance Computing & Simulation (HPCS), Innsbruck, Austria, IEEE
 25. M.W. Rotach, A. Gohm, M.N. Lang, D. Leukauf, **Stiperski, I.,** J.S. Wagner, 2015: On the vertical exchange of heat, mass and momentum over complex, mountainous terrain, In: *Frontiers in Earth Science*, 3, 76, <https://doi.org/10.3389/feart.2015.00076>
 26. G. Massaro, **Stiperski, I.,** B. Pospichal, M.W. Rotach, 2015: Accuracy of retrieving temperature and humidity profiles by ground-based microwave radiometry in truly complex terrain, In: *Atmospheric Measurement Techniques*, 8, 3355 – 3367, <https://doi.org/10.5194/amt-8-3355-2015>
 27. **Stiperski, I.,** B. Ivančan-Picek, V. Grubišić, A. Bajić, 2012: Complex bora flow in the lee of Southern Velebit, In: *Quarterly Journal of the Royal Meteorological Society* 138, 1490-1506, <https://doi.org/10.1002/qj.1901>
 28. **Stiperski, I.,** V. Grubišić, 2011: Trapped lee wave interference in presence of surface friction, In: *Journal of the Atmospheric Sciences* 68, 918-936, <https://doi.org/10.1175/2010JAS3495.1>
 29. J.D. Doyle, S. Gaberšek, Q. Jiang, L. Bernardet, J.M. Brown, A. Dörnbrack, E. Filaus, V. Grubišić, D.J. Kirshbaum, O. Knoth, S. Koch, J. Schmidli, **Stiperski, I.,** S. Vosper, S. Zhong, 2011: An intercomparison of T-REX mountain wave simulations, In: *Monthly Weather Review* 139, 2811–2831, <https://doi.org/10.1175/MWR-D-10-05042.1>

30. V. Grubišić, **Stiperski, I.**, 2009: Lee wave resonances over double bell-shaped obstacles, In: Journal of the Atmospheric Sciences 66, 1205 – 1228, <https://doi.org/10.1175/2008JAS2885.1>
31. **Stiperski, I.**, I. Kavčič, B. Grisogono, D.R. Durran, 2007: Including Coriolis effects in the Prandtl model for katabatic flow, In: Quarterly Journal of the Royal Meteorological Society 133, 101 – 106, <https://doi.org/10.1002/qj.19>
32. K. Horvath, L. Fita, R. Romero, B. Ivančan-Picek, **Stiperski, I.**, 2006: Cyclogenesis in the lee of the Atlas Mountains: a factor separation numerical study, In: Advances in Geosciences, 7, 327 – 331, <https://doi.org/10.5194/adgeo-7-327-2006>
33. **Stiperski, I.**, 2005: The causes of supercell development with tornadogenesis on 30th August 2003 - A case study. In: Geofizika, 22, 83 – 104

BOOKS

Editor

1. Teixeira, M. A. C., Kirshbaum, D. J., Olafsson, H., Sheridan, P. F. and **Stiperski, I.**, eds. 2016: *The atmosphere over mountainous regions*. Frontiers in Earth Science. Frontiers Media SA, Lausanne, Switzerland, pp162. ISBN 9782889450169. Ebook

Chapter

2. **Stiperski, I.**, 2009: *Himalajska meteorologija* (Himalayan meteorology). *Više od Everesta (More than Everest)*, Željko Žarak (editor). Zagreb: Libricon do.o.o, pp. 193-196. Popular Science

INVITED CONFERENCE AND SEMINAR TALKS

1. **Stiperski, I.**, 2019: The Tales of Turbulence. *Ingeborg Hochmair Professorship inaugural lecture*. University of Innsbruck, 26.3.2019.
2. **Stiperski, I.**, 2018: Why the shape of turbulence matters. *Interdisciplinary Climate seminar at University of Innsbruck*, 22.11.2018.
3. **Stiperski, I.**, Calaf, M., 2018: Relationship between near-surface similarity and turbulence anisotropy. *23rd Symposium on Boundary Layer and Turbulence*, Oklahoma City, OK, 15.06.2018
4. **Stiperski, I.**, 2018: Towards a unified approach for atmospheric turbulence. *University at Albany - State University of New York*, Albany, NY, 18.06.2018.
5. **Stiperski, I.**, Calaf, M., 2017: What can anisotropy tell us about turbulence similarity in terrain of increasing complexity? *American Geophysical Union (AGU) Fall Meeting 2017*, New Orleans, LA, 14.12.2017
6. **Stiperski, I.**, 2017: Can the information on turbulence anisotropy improve near-surface similarity scaling over complex terrain? *University of Utah*, Salt Lake City, UT, 18.10.2017
7. **Stiperski, I.**, 2017: What is brewing outside the Meteor Crater? Turbulence characteristics of deep katabatic flows on a shallow slope. *University of Wageningen*, Wageningen, The Netherlands, 03.04.2017
8. **Stiperski, I.**, 2016: Turbulence in Mountain Flows: A picture from METCRAX II. *Freie Universität Berlin*, Berlin, Germany, 30.11.2016.
9. **Stiperski, I.**, 2016: Turbulence characteristics of downslope flows in mountainous Terrain (EOL Seminar). *National Center for Atmospheric Research (NCAR)*, Boulder, CO, 16.08.2016

10. **Stiperski, I.**, 2015: Why Mountains Matter in Meteorology. *The University Centre in Svalbard*, Longyearbyen, Norway, 25.09.2015.
11. **Stiperski, I.** 2015: Examining multiplicity of scales in mountainous terrain. *Challenges in Meteorology 4: Climate change - Responsibilities of the current generation*. Zagreb, Croatia, 25.11.2015.
12. Rotach, M. W., Baur, F., Markl, Y., **Stiperski, I.**, Mallaun, C., 2015: On the turbulence structure over complex mountainous terrain as observed in the i-Box. *American Geophysical Union (AGU) Fall Meeting 2015*, San Francisco, CA, 16.12.2015.
13. Rotach, M. W., **Stiperski, I.**, 2014: On the Boundary Layer Structure over Mountainous Complex Terrain. *Workshop on Advances in Meso- and Micrometeorology*, Donja Stubica, Croatia, 03.11.2014.
14. **Stiperski, I.**, Rotach, M., 2013: Innsbruck Box - a test bed for studying turbulence in complex terrain. *University of Leipzig*, Leipzig, Germany. 13.06.2013
15. **Stiperski, I.**, 2012: Mountain waves and rotors in a double mountain system. *Meteo-France*, Toulouse. 18.10.2012
16. **Stiperski, I.**, Rotach, M.W., 2012: Innsbruck-Box: boundary-layer measurements in very complex Terrain. *University Joseph Fourier in Grenoble*, France. 29.02.2012
17. **Stiperski, I.**, 2010: Trapped lee wave interference over double obstacles. *University of Vienna*, Vienna, Austria. 04.05.2010
18. **Stiperski, I.**, 2009: Trapped lee wave interference over double bell-shaped mountains. *University of Leeds*, Leeds, UK. 01.09.2009

OTHER EXPERIENCE AND POPULAR SCIENCE

Weather forecasting for mountaineering expeditions: I. Croatian Female Expedition to Cho Oyu (2007) (with Z. Vakula); Croatian Female Expedition to Everest (2009); PDS Velebit Expedition to Pik Lenina (2009); Finish Expedition to Everest & Lhotse (2010); PDS Velebit Expedition to Mt Elbrus (2010); French Pasu Sar Expedition (2013) (with M. Presser)

Popular lectures on Mountain Meteorology for Mountaineering Schools of Velebit, Željezničar and Matica mountaineering societies, Zagreb, Croatia held annually (2007-2011)

In the media

Contributor to the Instagram account promoting interdisciplinary research in climate sciences: <https://www.instagram.com/Uibk.climate/>

“Dobro je znati”, Croatian Television (HRT), 2012, interview and report

“Dobro jutro Hrvatska: Jeste li znali da postoje strucnjaci za planinsku meteorologiju” , Croatian Television (HRT), 2015, interview and report

“Zasto imamo najbolju klimu”, Slobodna Dalmacija, 2016, interview in a magazine article

Other interests

Photography, Music, Film, Mountain sports, Linguistics, Social Justice, Medicine, Psychology