

Curriculum Vitae-abridged
Gad Levy
Senior Research Scientist
NorthWest Research Associates - Seattle
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Education/Professional Preparation:

B.Sc. Atmospheric Sciences and Geophysics (1981), The Hebrew University (Cum Laude)
M.S. Atmospheric Sciences (1982), Colorado State University (College of Engineering)
Ph.D. in Atmospheric Sciences, (1987), The University of Washington
Advanced Graduate Studies: Environmental studies & management of Science and technology (1984-87); Business Administration (2001), the University of Washington
Certified Consulting Meteorologist (CCM #501, 1992-), American Meteorological Society
Postdoctoral Fellow (1988/89), Oceanography, Oregon State University

Professional Appointments:

NorthWest Research Associates, Sr. Research Scientist	2002 –
Chinese Academy of Science, Sr. International Visiting Professor	2014
Boeing Company, Mathematical & Computational Technology, Applied Statistics	2001 - 2003
Oregon State University, College of Oceanic and Atmospheric Sciences, Associate Professor (adjunct professor since 2000-)	1996 – 2006
Oregon State University, GIS Science, adjunct faculty,	1999 -
University of Phoenix, Sr. Affiliate Faculty (Statistics and Research)	2001 -
University of Washington, Research Scientist,	1993 - 2000
Oregon State University, Assistant Professor,	1990 - 1996
Oregon State University, Postdoctoral Research Associate,	1988 - 1989
University of Washington, Research Associate,	1982 - 1988
University of Washington, Teaching Assistant,	1984
Colorado State University, Research Assistant,	1981 - 1982

Expertise and Research Interests

Remote sensing of the ocean and atmosphere; Satellite meteorology and oceanography; Data assimilation, fusion and mining; Analytical and numerical modeling; Data analysis and statistical modeling; Weather and climate dynamics, risk management, and prediction; Boundary layer and climate dynamics; Air-sea & Ocean-Atmosphere interactions.

Selected Service and Professional Activities:

US Climate Variability and Predictability (CLIVAR) Science Steering Committee (2014-2015); Process Study Model Improvement (PSMI) Panel Co-Chair, 2014-2015 (panelist since 2012);

Pan Ocean Remote Sensing Association PORSEC: President-elect (2014-); Vice-President (2012-2016); Member, Scientific Organizing Committee (2004-), Executive Committee (2005-) and Executive Secretary (2005-2012), Publications committee (2006 -), Awards committee (2010), Editor - Special PORSEC issues of IJRS. Mentorship program coordinator;

Co-Organizer: Ocean Remote Sensing for Sustainable Resources, The 12th Pan Ocean Remote

Sensing Conference, 4-7 Nov., 2014, Bali, Indonesia (pre-Conference capacity-building training co-organizer, SAR applications session chair).

Local Organizing Committee, PORSEC-2012: Ocean Remote Sensing for Well-Being of All, Kochi, Kerala, India.

AGU Media outreach project participant, 2009-2011.

Committee on Scientific Sessions and Posters: Remote –sensing for well being of all –PORSEC 2012 - the 11th Pan Ocean Remote Sensing Conference, Kochi, Kerala, India, 05-09, November 2012.

Organizer: Connecting Regional Impacts to Global Environmental Change - PORSEC2010 - the 10th Pan Ocean Remote Sensing Conference, 18-23 October, 2010, Keelung, Taiwan (Organizer, Convener, and co-Chairperson, “Ocean Atmosphere Interactions” session).

Co-Organizer: Oceanic manifestation of global changes - PORSEC2008 - the 9th Pan Ocean Remote Sensing Conference, December 2-6, 2008, Guangzhou, China (Organizer, co-Convener, and co-Chairperson, “Interactions between Ocean and Atmosphere; Satellite based Air-sea flux estimates” special sessions).

Lecturer, (Zonal asymmetry of tropical climate), Tropical Climate, Oceanography & Air Sea Interaction Course, 10-21 Nov. 2014, Laboratory of Tropical Oceanography, South China Sea Institute of Oceanology SCSIO, Chinese Academy of Sciences, Guangzhou, China.

Lecturer & co-organizer, (Data-assimilation; Forecasting , Radiation Measurements), pre-conference training Course & lecture series on the fundamentals of ocean color & fisheries remote sensing, Altimetry, and SAR 27 Oct.- 1 Nov. 2014, Center for Remote Sensing and Ocean Sciences (CReSOS), Udayana University. Denpasar, Indonesia.

Lecturer, (Data-assimilation; Forecasting workshop), “International Remote Sensing Course and Tutorial Workshop” 14-16 Oct. 2010, National Taiwan Ocean University, Taiwan.

Lecturer, (Data-assimilation and Satellite sampling), “International Remote Sensing Course and Tutorial Workshop” 27-30 Nov. 2008, SCSIO, Chinese Academy of Science, Guangzhou, China.

Co-Organizer: International Remote Sensing Symposium ISRS-2006-PORSEC Nov. 2-4, 2006 and Tsunami workshop, Nov. 1, 2006, Busan, South Korea,

Organizer, Convener, and Chairperson, Air-Sea Interaction and Marine Atmosphere special session, International Remote Sensing Symposium & Pan Oceanic Remote Sensing Conference, Nov. 2 – 4, 2006.

Editor (guest, special issues) - International Journal of Remote Sensing (2007 -)

Book co-Editor: Typhoon Impacts and Crisis Management. Springer, (D. Tang & G. Sui, editors), ISBN 978-3-642-40694-2, (2014).

Book co-Editor: Remote Sensing of the Changing Oceans. DanLing (Lingzis) Tang, James (Jim) Gower, Gad Levy, Kristina B. Katsaros, Malcolm Heron and Ramesh Singh, Springer-Verlag, Berlin, Heidelberg, 2011. (ISBN: 978-3-642-165, e-ISBN 978-3-642-16541-2, DOI 10.1007/978-3-642-16541-2).

Co-Editor, Bulletin of the PORSEC Association (2007 -)

Chairperson, Large scale Climate Dynamics session, Pan Oceanic Remote Sensing Conference

& IOC/IOCARIBE Workshop, Nov. 27- Dec. 3, 2004.

Member: American Meteorological Society, American Geophysical Union, European Geoscience Union, Canadian Meteorological and Oceanographic Society, EOS/SPIE (2000-2004).

Session organizer and convener: Remote sensing of air-sea interaction, EOS/SPIE Symposium: Remote Sensing of the Ocean and Sea Ice, Barcelona, Spain, 2000.

Referee for The Journal of Atmospheric Sciences, Journal of Geophysical Research, Monthly Weather Review, Boundary Layer Meteorology, International Journal of Remote Sensing.

Senior International Visiting Professor, Chinese Academy of Science, 2014, Visiting Scientist, Tel-Aviv Uni., Geophysics, August - September, 1992, 1994; University of Washington (Atmos. Sci.) 1989-1990.

Review Panels, Science Teams, and Workshops:

Co-Chair, flux and boundary layer modeling working group at the TOGA-COARE Int'l data summer workshop (Toulouse, France, 1994); National Academy of Science/National Research Council workshop on Massive Data Sets, (Washington, D.C. 1995); US CLIVAR Process Study Model Improvement (PSMI) panel (Science Summit, Newport Beach, CA, 2012; Annapolis, MD, 2013).

NASA: Instrument Incubator Program (IIP), Ocean Wind Vectors, Quikscat, NSCAT, Radarsat Science Teams; Advanced Component Technology (ACT), In-Space Verification of Earth Science Technology (InVEST), Earth Science Systems (ESS) and Applied Information Systems Research Interdisciplinary Review Panels; Earth Observing Systems (EOS) atmospheres panel; Center of Excellence in Space Data and Information Sciences (CESDIS) Grand Challenge Applications review panel (atmosphere);

Other Agencies: National Science Foundation, The Israel Research Council, The National Oceanic and Atmospheric Administration, The Netherlands Remote Sensing Board (BCRS); ONR Sea Ice and SAR; USEPA atmosphere review panel; NSF/SBIR/STTR: Remote Sensors (2002, 2003, 2005, 2007, 2009), NSF Graduate Research Fellowship Program (GRFP) 2012/2013; 2014/2015.

Recent Field Campaigns & Experiments Participation:

Indian Ocean Research Cruise (SCSIO operated), 2011, 2012, 2013, 2014.

Indian Ocean Research Cruise (R/V Revelle, part of DYNAMO); Dec. 2011 – Jan. 2012.

Collaborators, Mentoring, & Student Advising:

Collaborators & Co-Editors: E. Andreas (NWRA), A. Cracknell (U. Dundee, U.K) , T. Dunkerton (NWRA), J. Gower (IOS, Canada), M. Heron (James Cook U, AU) K. Katsaros (U. Miami), M. R. Kumar (NIO, India), R. Kwok (JPL), L. Mahrt (NWRA), F. Marzano (U. Rome), S. Mori (U. Rome), G. Nguyen, (U. Sydney, AU), J. Patoux (UW), W. Perrie (BIO, Canada), K. Peterson (Sandia NL), M. Pruis (NWRA), H. Schreyer and D. Sulsky (UNM), C. Zhang (U. Miami).

Thesis Advisees and Postgraduate-Scholar Sponsored: Ten graduate students advised/co-advised/thesis committee [J. Kim (PhD), Xu (Ph.D.), C. McCandlish (M.S), L. Zeng (PhD), S. Dickinson (M.S), J. Mjelde (M.S.), M. Moscatelli (M.S.) Q. Sun (Ph.D.) Y. Song (M.S.; Postgraduate Scholar co-sponsored (R. Foster, J. Patoux, UW).

14 undergraduate and graduate students mentored and advised on research and field projects.

Selected Publications:

- Cai, L.N., D. Tang, G. Levy, and C. Y. Li, 2014: Remote sensing of suspended sediments variability influenced by bay bridges near the Yangtze River Estuary, China. Submitted to *Remote Sensing of the Environment*.
- Moscattelli, M., and Levy, G., 2014: Three-dimensional reconstruction of rain rate in atmosphere from X – SAR measurements using tomography, under revisions for *J. Clim. Appl. Meteorology*.
- Gower, J., and G. Levy, 2014: Ocean remote sensing for well-being of all, *Intl J. Remote Sensing*, **35**:14, 5311-5314, DOI: 10.1080/01431161.2014.941242
- Wan, Q., F. Lin, J. Yuan, W. Ding, and G. Levy, 2014: Numerical Simulation and Forecasting Techniques for Tropical Cyclones in the South China Sea. Chapter 5, 93-130, DOI: 10.13140/2.1.4079.8405. In “*Typhoon Impacts and Crisis Management*”, D. Tang & G. Sui, editors. Springer, ISBN 978-3-642-40694-2
- Patoux, J., and Levy, G., 2013: Space-time interpolation of satellite winds in the Tropics, *J. Geophysical Research, Atmos.*, **118**, 10,405–10,413.
- Geiss, A., and G. Levy, G., 2012: The Use of Automated Feature Extraction for Diagnosing Double Inter-Tropical Convergence Zones. *Computers and Geosciences*, **46**, 73-76, <http://dx.doi.org/10.1016/j.cageo.2012.03.024>.
- Levy, G., and J. Gower, 2012: Connecting Regional Impacts to Global Environmental Change. *International Journal of Remote Sensing*, **33:23**, 7305-7309.
- Ramesh Kumar, M. R., A. Devasthale, S. Syam, S. Bakan, G. Levy, and H Grassl, 2011: On the evolution of double ITCZs over the Indian Ocean as revealed by the synergistic analysis of satellite observations, *International Journal of Remote Sensing*, DOI:10.1080/01431161.2011.625056.
- Levy, G., A. Geiss, and M.R. Ramesh Kumar, 2011: Near-Equatorial Convective Regimes over The Indian Ocean as Revealed by Synergistic Analysis of Satellite Observations. *Advances in Geoscience*, **22** (Atmospheric Science), 101-115.
- Levy, G., M. Coon, G. Nguyen, and D. Sulsky, 2010: Physically Based Data Assimilation, *Geosci. Model Dev.*, **3**, 669-677, doi:10.5194/gmd-3-669-2010.
- Levy, G and J. Patoux, 2010: Indian Ocean near-equatorial symmetric stability from satellite observations: An elusive connection to atmospheric convection, *International Journal of Remote Sensing*, **31**, 4665-4682.
- Levy, G., and J. Gower, 2010: Preface - Oceanic Manifestation of Global Changes: Satellite Observations of the Atmosphere, Ocean and their Interface *International Journal of Remote Sensing*, **31**, 4509-4514.
- Levy, G., and J. Gower, 2008: Preface Satellite observations of the atmosphere, the ocean and their interface: climate, natural hazards and management of the coastal zone, *International Journal of Remote Sensing*, Vol. 29, No. 21, 6085–6090. ISSN 0143-1161. DOI:10.1080/01431160802302116.
- Levy, G., M. Coon, G. Nguyen, and D. Sulsky, 2008: Metrics for evaluating linear features.

- Geophysical Research Letters, 35, L21705, doi:10.1029/2008GL035086.
- Levy, G., M. Coon, and D. Sulsky, 2006: Metrics for linear kinematic features in sea ice. *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., H31D-1462.
- Levy G. and J. C. Alpert, 2005: "Model Sensitivity to Space- and in situ- based sub-grid Flux Parameterization". 9th Symposium on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface (IOAS-AOLS), American Meteorological Society. MS 10.1, 8 pp.
- Levy G. and T. J. Dunkerton, 2004: Satellite Observations of Near-Equatorial Symmetric Instability. *GAYANA, an International Journal of Biodiversity Oceanography, and Conservation*. Vol 68, 420.
- Levy G. and M.B. Ek, 2003: Wind-wave Relationship in Non-equilibrium Sea States. *Proceedings of IEEE International Geoscience and Remote Sensing Symposium*. 3: 1437-1438.
- Zeng, L. & Levy, G., 2001: Beating the Norm. *Environmental Finance*: 20-23.
- Levy G., and M. B. Ek, 2001: The simulated response of the marine atmospheric boundary layer in the western Pacific warm pool region to surface flux forcing. *J. Geophys. Res.* 106: 7229-7241.
- Levy G., 2001: Boundary Layer Roll Statistics from SAR. *Geophysical Research Letters*. 28(10): 1993-1995.
- Levy, G., 2000: Air-sea fluxes from satellite sensors: calibration, time, space, and scale transitions. *Remote Sensing of the Ocean and Sea Ice*, C. R. Bostater Jr., R. Santoleri, Editors. 4172(SPIE): 1-11.
- Levy, G., 2000: Regional climatology of wind-driven atmospheric boundary layer rolls from SAR observations. *CERSAT News*. Special issue No. 11: 2 pp.
- Contributor. *Glossary of Meteorology*, 2nd Edition. American Meteorological Society, Boston. 2000.
- Levy, G., and D. Vickers, 1999: Surface fluxes from Satellite Winds: Modeling Sub-scale Enhancement from Spatial and Temporal Observations. *J. Geophys. Res.* 104(C9): 20,639-20,650.
- Levy, G., C. Pu, and P. D. Sampson, 1999: Statistical, Physical, and Computational Aspects of Massive Data Analysis and Assimilation in Atmospheric Applications. *J. Computational and Graphical Statistics (JCGS)*. 8(3): 559 – 574.
- Levy, G., C.B. McCandlish, and D. Vickers, 1999: The Relation between Ageostrophy and Boundary Layer Structure in the Western Pacific Trades. *Boundary-Layer Meteorology*. 91(2): 323-335.
- Foster R.C. and G. Levy, 1998: The contribution of organized roll vortices to the surface wind vector in baroclinic conditions. *Journal of the Atmospheric Sciences*. 55(8): 1466-1472.
- Levy, G., 1998: Imaging Boundary Layer Roll Signatures for Climate Application. *IEEE International Geoscience and Remote Sensing Symposium Proceedings*. 3: 1437-1438.
- Levy, G., and R.A. Brown, 1998: Detecting Planetary Boundary Layer Rolls from SAR. *Remote Sensing of the Pacific Ocean by Satellites*. 128-134.

- Levy G. (chapter editor & lead author). Oceanic Resource Management by Satellite Remote Sensors, Chapter 5. Remote Sensing of the Pacific Ocean by Satellites. PORSEC(Book II): 371-411, 1998.
- Zeng L, G. Levy, 1997: On Temporal Averaging Of Polar Orbiting Satellite Data, *Advances in Space Research*, 19(3), 537-540.
- Levy G., C. Pu, P. D. Sampson, 1997. Massive Data Assimilation/Fusion in Atmospheric Models and Analyses: Statistical, Physical, and Computational Challenges. National Research Council. *Massive Data Sets: Proceedings of a Workshop*. Washington, DC: The National Academies Press, 93-102.
- Levy G, D.S. Battisti, 1995: The symmetric stability and the low level equatorial flow, *The Global Atmosphere and Ocean System*, 3/4, 341-354.
- Zeng L, and G. Levy, 1995: Space and time aliasing structure in mean polar-orbiting satellite data, *Journal of Geophysical Research*, 100(D3), 5133-5142.
- Levy G., 1994: Southern Hemisphere low level wind circulation statistics from the Seasat scatterometer, *Annales Geophysicae*, 12, 65-79.
- Levy G, 1992: Trends in satellite remote sensing of the Planetary Boundary Layer, *Trends in Atmospheric Sciences*, 1, 337-347.
- Levy G, and R. A. Brown, 1991: Southern Hemisphere synoptic weather from a satellite scatterometer, *Monthly Weather Review*, 119, 2803-2813.
- Levy G, and F. S. Tiu, 1990: Thermal advection and stratification effects on surface winds and the low level meridional mass transport, *Journal of Geophysical Research*, 95(C11), 20247-20257.
- Levy G., 1989: Surface dynamics of observed maritime fronts, *Journal of the Atmospheric Sciences*, 46(9), 1219-1232.
- Levy G, and C.S. Bretherton, 1987: On a theory of the evolution of surface cold fronts, *Journal of the Atmospheric Sciences*, 44, 3413-3418.
- McMurdie L.A., G. Levy, and K. B. Katsaros, 1987: On the relationship between scatterometer derived convergence and atmospheric moisture, *Monthly Weather Review*, 115, 1281-1294.
- Brown, R.A, and G. Levy, 1986: Ocean surface pressure fields from satellite sensed winds, *Monthly Weather Review*, 114, 2197-2206.
- Levy, G, and R.A. Brown, 1986: A simple objective analysis scheme for scatterometer data, *Journal of Geophysical Research*, 91, 5153-5158.
- Levy, G, and W.R. Cotton, 1984: A numerical investigation of mechanisms linking glaciation of the ice phase to the boundary layer, *Journal of Climatology and Applied Meteorology*, 23, 1505-1519.

Invited Talks:

Russian Academy of Science, Far Eastern Branch, September 2013

ONR Sea Ice and SAR workshop, Chicago, IL 26-28 July 2011.

AOGS Asia Oceania Geosciences Society Conference AOGS 2010: Inter-disciplinary session on Remote Sensing of Atmosphere and Oceans, Hyderabad, India, July 5-9, 2010.

PORSEC2008: Oceanic manifestation of global changes - the 9th Pan Ocean Remote Sensing Conference, December 2-6, 2008, Guangzhou, China

EOS/SPIE Symposium: Remote Sensing of the Ocean and Sea Ice, Barcelona, Spain, 2000.

International Geoscience and Remote Sensing Symposium (IGARSS'98): Sensing and Managing the Environment (Seattle, 1998).

United States National Academy of Sciences, Massive Data Sets 1995

AAAI Symposium on active learning (MIT, 1995)

VI Latin American Symposium on Remote Sensors (Bariloche, Argentina, 1989)

Recent talks, seminars & conference presentations:

Levy, G., 2014: “Challenges in evaluating lower dimensional features: applications to fisheries”, Oct. 7, 2014 Colloquium at The Chinese Academy for Fishery Sciences.

Levy, G., 2014: Challenges In Evaluating Lower-Dimensional Features, Invited presentation at the USCLIVAR Summit Joint Session on Diagnostic Tools and Metrics for Intercomparison of Reanalyses and Utilization of Innovation, Increments, and Residuals. July 8-11, Denver, CO. Available on [us-clivar-summit-presentations](#)

Levy, G., 2014: “Near-Equatorial Convective Regimes over the Indian Ocean: Double Inter Tropical Convergences Zones, ITCZ, & Monsoon Circulations” Seminar at The Chinese Academy of Science, SCSIO, Guangzhou, China, June, 10, 2014.

Song, Y. J., D. L. Tang, X. Yang, and G. Levy: “TCT – an Ecological Index for Remote Sensed SST Response to Typhoon” The 12th Pan Ocean Remote Sensing Conference, 4-7 Nov., 2014, Bali, Indonesia.

Moscattelli, M. and G. Levy: “Three Dimensional Reconstruction of Rain Rates from X- SAR Measurements Using Tomography.” The 12th Pan Ocean Remote Sensing Conference, 4-7 Nov., 2014, Bali, Indonesia.

Geiss, A. and G. Levy: “Examining the Interaction of the Indian Summer Monsoon With Double Inter-tropical Convergence Zones Via an Automated Feature Detection Scheme.” The 12th Pan Ocean Remote Sensing Conference, 4-7 Nov., 2014, Bali, Indonesia.

Sun, Q. Y. and G. Levy: “Correlation of MODIS Aerosol Optical Thickness and Field Observations in Indian Ocean”, The 12th Pan Ocean Remote Sensing Conference, 4-7 Nov., 2014, Bali, Indonesia

Polverari F., M. Talone, R. Crapolicchio , G. Levy, F. Marzano: “Characterization Of Ocean Wind Vector Retrievals Using Ers-2 High-Resolution Long-Term Dataset and Buoy Measurements” ESA Living Planet Symposium, Edinburgh, 09-13 September, 2013.

Levy, G., A. Geiss, D-L. Tang, Q. Sun, J. Lin, S. Wang, N. Colasacco-Thumm C. Zhang, C-C Huang: “Validation of MODIS Aerosol Optical Thickness (OAT) over the Indian Ocean with Field Observations” 11th Biennial Pan Ocean Remote Sensing Conference, Kochi, Kerala, India. 05-09 November, 2012.

Mori, S. , G. Levy, F. Marzano: “X-band SAR Observations of Maritime Rainfall.” 11th Biennial Pan Ocean Remote Sensing Conference, Kochi, Kerala, India. 05-09 November, 2012.

Levy G.: “Near Equatorial Convective & Symmetric Stability Regimes Over the Indian Ocean”, Seminar, Division of Meteorology and Physical Oceanography (MPO), Rosenstiel School of Marine and Atmospheric Science (RSMAS), University of Miami, June 10, 2011.

Geiss, A. and G. Levy: “A data mining algorithm for climate data: application to double ITCZ.” Ninth Conference on Artificial Intelligence and its Applications to the Environmental Sciences. 91st American Meteorological Society Annual Meeting, Seattle, WA, 23–27 January 2011.

Levy G. and D. Sulsky: “Data Assimilation for Sea Ice Modeling”, ONR Sea Ice and SAR workshop, Chicago, IL, 26-28 July, 2011.

- Levy G.: “Equatorial dynamics related to ITCZ and Indian monsoon”, Special Seminar. Division of Ocean and Climate Physics (DOCP) at Lamont-Doherty Earth Observatory, Columbia University. March 24, 2010.
- Levy G. and D. Sulsky: “Physically-based satellite data assimilation and fuzzy verification in numerical simulations of sea-ice.” the 10th Pan Ocean Remote Sensing Conference, 18-23 October, 2010, Keelung, Taiwan.
- Geiss A. and G. Levy: “Analysis of ITCZ organization over the Indian Ocean by satellites: A second look at double ITCZ” the 10th Pan Ocean Remote Sensing Conference, 18-23 October, 2010, Keelung, Taiwan
- Weinman, J. A., G. Levy, F. Marzano, W. Plant, A. Mugnai, S. Mori, and T. Dunkerton: “Spaceborne Radar Observations of Maritime Cyclones”, 11th Plinius Conference on Mediterranean Storms. Barcelona, Spain, 7-11 September 2009.
- Levy G. and J. Patoux, 2008: “Indian Ocean Near-Equatorial Symmetric Stability From Satellite Observations: An elusive Connection To Atmospheric Convection”. PORSEC2008 - the 9th Pan Ocean Remote Sensing Conference, December 2-6, 2008, Guangzhou, China.
- Levy, G., M. Coon, G. Nguyen, and D. Sulsky: “A new paradigm for data assimilation”. PORSEC2008 - the 9th Pan Ocean Remote Sensing Conference, December 2-6, 2008, Guangzhou, China
- “Numerical experiments and sensitivity tests of the Impact Sub-Grid Flux Parameterization on Operational Medium Range Global Forecasting”. Atmospheric Sciences Colloquium, Institute of Earth Sciences, The Hebrew University of Jerusalem, Dec. 27, 2006.
- Levy, G., M. Coon, and D. Sulsky, 2006: “Metrics for linear kinematic features in sea ice”. AGU Fall Meeting, Dec. 13 San Francisco.
- Coon, M. R. Kwok, G. Levy, M. Pruis, H. Schreyer, D. Sulsky, and L. Tudal, 2006: “A new sea ice model: pancakes to metrics”. AGU Fall Meeting, Dec. 12 San Francisco.
- “Weather Derivatives: The Convergence of Insurance, Capital Market and Weather Services, an Overview”. Statistics and Computational Finance Seminar Series: The University of Washington, Nov. 30, 2006.
- Levy G. and J. Patoux, 2006: “Remote Sensing Of Atmospheric Frontal Dynamics Over The Ocean”, ISRS2006PORSEC, Nov. 4, Busan, Korea.
- Levy G. and J. C. Alpert: “Model Sensitivity to Space- and in situ- based sub-grid Flux Parameterization”. 9th Symposium on Integrated Observing and Assimilation Systems for the Atmosphere, Oceans, and Land Surface (IOAS-AOLS). San-Diego, CA, Jan. 2005.
- Levy G. and T. J. Dunkerton. “Satellite Observations of Near-Equatorial Symmetric Instability”. Pan Oceanic Remote Sensing Conference & IOC/IOCARIBE Workshop, Nov. 27- Dec., 3, 2004, Concepcion, Chile.
- Levy G. and T. J. Dunkerton. “Observations of Near-Equatorial Symmetric Stability from Scatterometer-Vector Winds: An elusive connection to Atmospheric Convection”. NASA Ocean Wind Vector Science Team meeting, March, 2005. Seattle, WA.
- Foster, R., G. Levy, D. Long, “Sub-scatterometer footprint variability estimated by SAR and in situ measurements”. NASA Ocean Wind Vector Science Team meeting, March, 2005. Seattle,

WA.

Levy G. and J. C. Alpert: "The Impact Of Scatterometer-Based Sub-Grid Flux Parameterization On Medium Range Global Forecasting In The Operational NCEP GFS". NASA Ocean Wind Vector Science Team meeting, March, 2005. Seattle, WA.

"The Impact Of Space - And In Situ -Based Sub-Grid Flux Parameterization On Operational Medium Range Global Forecasting". Seminar: March 29, 2005. NorthWest Research Associates, Bellevue, WA. Colloquium: Department of Geophysics and Planetary Sciences, Tel-Aviv University. Ramat Aviv, Israel. Dec. 5, 2005

"Data Assimilation and Validation in Ice Models". Special FRAM session and project meeting at the AGU Fall meeting, December 12, 2004. San Francisco.

Honors and Awards

2013: Awarded, Visiting Professorship For Senior International Scientists, the Chinese Academy of Sciences.

2013: Outstanding support to the In-Space Verification of Earth Science Technology (InVEST) program and the NASA Earth Science Technology office.

PORSEC Distinguished Service Award, Pan Ocean Remote Sensing (PORSEC) Association (2008).

2011: Outstanding support to the Advanced Component Technology (ACT) program and the NASA Earth Science Technology office.

2005-2006: International scientist of the year accolade, The International Biographical Centre of Cambridge, England.

2005-2006: Citation, the 60th Anniversary Edition of Who's Who in America, Marquis Who's Who.

1998- Citations, Who's Who in Science and Engineering, Marquis Who's Who, 4th & 5th editions, Science and Engineering

Academic Excellency, Hebrew University of Jerusalem

Scholarships, Hebrew University of Jerusalem

Honors List (Cum Laude), The Hebrew University of Jerusalem

Summer Research award for Outstanding Students, Faculty of Mathematics & Sciences, Hebrew University of Jerusalem,

Meirbaum Award, Meirbaum Foundation, Hebrew University of Jerusalem, Oceanography

Elizabeth Gould Award, Foundation for International Understanding Through Students, International Understanding