CURRICULUM VITAE (short) Large CV
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EDUCATION:

1986: **Ph.D.** (Phys-Math) " Internal Wave Observations with Applications to Remote Sensing", Marine Hydrophysical Institute (MHI), Sevastopol, USSR

1981: **MS** (Phys) "High power mode-locked CW Neodymium-doped Garnet laser with intra-cavity frequency doubling", Moscow Institute of Physics and Technology (MIPT), Moscow, USSR

EXPERIENCE:

2001-pres:	Research Scientist, Atmospheric and Oceanic Sci.,	UMD
1999-2001:	Visiting scientist, Atmospheric and Oceanic Science,	UMD
1988-1999:	Senior Research Scientist, Remote Sensing Department,	MHI
1984-1988:	Research Scientist, Department of Ocean Dynamics,	MHI

AREA OF EXPERTISE:

- Ocean data analysis
- Ocean remote sensing

Recent Publications (2021-2023)

1. Reul, N., Chapron, B., Grodsky, S. A., Guimbard, S., Kudryavtsev, V., Foltz, G. R., & Balaguru, K. (2021). Satellite observations of the sea surface salinity response to tropical cyclones. *Geophysical Research Letters*, 48, e2020GL091478. https://doi.org/10.1029/2020GL091478
2. Grodsky, S. A., Vandemark, D., Reul, N., Feng, H., & Levin, J. (2021). Winter surface salinity in the northeastern Gulf of Maine from five years of SMAP satellite data. *Journal of Marine Systems*, *216*, 103508. https://doi.org/10.1016/j.jmarsys.2021.103508
3. Bentamy, A., Grodsky, S. A., Cambon, G., Tandeo, P., Capet, X., Roy, C., … Grouazel, A. (2021). Twenty-Seven Years of Scatterometer Surface Wind

Analysis over Eastern Boundary Upwelling Systems. *Remote Sensing*, *13*(5). https://doi.org/10.3390/rs13050940
4. Yurovsky, Y. Y., Kudryavtsev, V. N., Grodsky, S. A., & Chapron, B. (2021). Ka-Band Radar Cross-Section of Breaking Wind Waves. *Remote Sensing*, *13*(10), 1929. https://doi.org/10.3390/rs13101929
5. Grodsky, S. A., Reul, N., Bentamy, A., & Vandemark, D. (2022). Eastward propagating surface salinity anomalies in the tropical North Atlantic. *Remote Sensing Letters*, *13*(4), 334–342. https://doi.org/10.1080/2150704X.2022.2032452
6. Yurovsky, Y. Y., Kudryavtsev, V. N., Grodsky, S. A., & Chapron, B. (2022). Ka-Band Doppler Scatterometry: A Strong Wind Case Study. *Remote Sensing*, *14*(6), 1348. https://doi.org/10.3390/rs14061348
7. Levin, J. C., Grodsky, S. A., Vandemark, D., & Wilkin, J. L. (2022). Haline Control of Unusually Deep Winter Mixing in the Gulf of Maine Investigated Using a Regional Data-Assimilative Model. *Journal of Geophysical Research: Oceans*, *127*(11), e2021JC018281. https://doi.org/10.1029/2021JC018281
8. Grodsky, S. A., Reul, N., Bentamy, A., & Vandemark, D. (2023). Anomalously fresh Chukchi Sea surface salinity in summer-autumn 2021. *Remote Sensing Letters*, *14*(2), 135–147. https://doi.org/10.1080/2150704X.2022.2164231
9. Yurovsky, Y. Y., Kudryavtsev, V. N., Grodsky, S. A., & Chapron, B. (2023). On Doppler Shifts of Breaking Waves. *Remote Sensing*, *15*(7). 1824, https://doi.org/10.3390/rs15071824
10. Grodsky, S. A., Reul, N., & Vandemark, D. (2023). Sea surface salinity response to variations in the Aleutian Low. *Journal of Marine Systems*, *240*, 103888. https://doi.org/10.1016/j.jmarsys.2023.103888