



**Town of Highland Beach**  
**Town Clerk's Office**  
**3614 S. Ocean Boulevard**  
**Highland Beach, Florida 33487**  
**Phone: (561) 278-4548 Fax: (561) 265-3582**

### **BOARDS AND COMMITTEES APPLICATION**

This information is for consideration of appointment to a Town Board. Please complete and return this form to the Town Clerk, along with your *resume and proof of residency such as a government issued identification or voter registration card.*

**PLEASE NOTE:** Florida Public Records Law is very broad. Documents relevant to town business is public records and is subject to public disclosure upon request. Your information provided within this application may therefore be subject to public disclosure.

NAME: Alan F. Blumberg PHONE: 201-835-6347

HOME ADDRESS: 3912 South Ocean Blvd, Highland Beach APT. NO. 806

SUBDIVISION: \_\_\_\_\_ EMAIL ADDRESS: alanfblumberg@gmail.com

**PLEASE SELECT THE BOARD(S) / COMMITTEE(S) ON WHICH YOU ARE INTERESTED IN SERVING IN NUMERICAL ORDER FROM 1 THROUGH 7, WITH 1 BEING YOUR FIRST CHOICE AND 7 THE LEAST CHOICE.** (A description of the responsibilities of each Board is on the back of this application.)

\_\_\_\_\_ Board of Adjustment & Appeals

\_\_\_\_\_ Code Enforcement Board

\_\_\_\_\_ Financial Advisory Board

1 Natural Resources Preservation Board

\_\_\_\_\_ Planning Board

\_\_\_\_\_ Town Commission **\*\*\* (If vacancy)**

\_\_\_\_\_ Other Board /Committee

### **PLEASE MARK YES OR NO FOR EACH OF THE FOLLOWING QUESTIONS:**

Are you a resident of Highland Beach? Yes ☒ No ☐

Are you a registered voter in Highland Beach/Palm Beach County, FL? Yes ☒ No ☐

Are you currently serving on a Town Board? Yes ☐ No ☒

Have you ever served on a Town Board/Committee? Yes ☐ No ☒

If Yes, please indicate the Board(s)/Committee(s) and dates of service:

Are you willing to attend monthly board meetings? In (Person / Teleconference) Yes ☒ No ☐

Per Town Code of Ordinance, I understand any member absence from three (3) consecutive meetings will be considered as resignation from the board/committee. Yes ☒ No ☐

Please list any special talent, qualification, education, or professional experience that would contribute to your service on the Board/Committee you have selected?

I have recently retired and moved to Highland Beach. For most of my career I was an urban Oceanographer who studied the interaction between cities and their offshore coastal waters. I am an expert in hydroscience, weather prediction and climate.

Please summarize your volunteer experience(s):

For 15 years I was an endowed chair professor of ocean engineering. I led many major studies to predict and assess storm flooding events.  
(see attached resume)

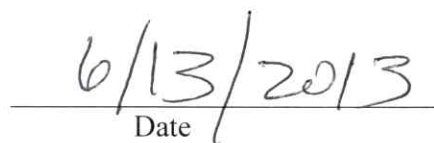
Florida Law requires appointed members on the Planning and Board of Adjustment and Appeals Boards to file a Form 1 - Statement of Financial Interests Disclosure form on an annual basis.

Vetting by the Board Chairperson. The Chairperson of each Board shall interview the applicant and submit a memorandum of recommendation to the Town Clerk's Office 14 days prior to the Town Commission Workshop Meeting for final appointment.

Palm Beach County Commission on Ethics requires appointed members to take the Code of Ethics Training every two (2) years.

I hereby certify that the statements and answers provided are true and accurate to the best of my knowledge.

  
Signature of Applicant

  
Date

☒ Resume Attached



## Alan F. Blumberg

### Address

3912 South Ocean Blvd, Apt 806  
Highland Beach, FL 33487.

Tel: 201-835-6347

E-Mail: [alanfblumberg@gmail.com](mailto:alanfblumberg@gmail.com)

### Summary

Dr. Blumberg is an urban oceanographer who studies the interaction between cities and their offshore coastal waters. He is a co-founder of Jupiter, a Silicon Valley startup company that is deeply committed to the practical application of the world's best hydroscience, weather prediction and climate modeling. Together with George Mellor, he developed the Princeton Ocean Model, which is used by scientists and institutions throughout the world. For 15 years, he was George Meade Bond Professor of Ocean Engineering and Director of the Davidson Laboratory at Stevens Institute of Technology where he led several major studies to predict and assess storm flooding events. He is the recipient of the 2001 Karl Emil Hilgard Hydraulic Prize from the American Society of Civil Engineers and the 2007 Denny Medal from the Institute of Marine Engineering. A fellow of both the American Meteorological Society and the American Society of Civil Engineers, Dr. Blumberg is the author of more than 150 journal articles on oceanography and meteorology. Because of his extensive research expertise, he is highly sought after by the media during unusual weather conditions.

### Education

Post Doctoral Princeton University, Geophysical Fluid Dynamics, 1979

Ph. D. The Johns Hopkins University, Earth and Planetary Sciences Oceanography, 1976

M.S. The Johns Hopkins University, Earth and Planetary Sciences, 1973

B.S. Fairleigh Dickinson University, Physics, 1970

### Experience

2018 -2022	Jupiter Intelligence, NY City, NY Chief Scientist, Hydroscience Risk Analysis
2002 - 2018	Stevens Institute of Technology, Hoboken, NJ School of Systems and Enterprises Department of Civil, Environmental and Ocean Engineering George Meade Bond Professor of Ocean Engineering Director, Davidson Laboratory (2007-2018) Director, Department of Civil, Environmental and Ocean Engineering (2005-2006)
1985 - 2002	HydroQual, Inc., Mahwah, NJ Executive Vice President (1999-2002) Principal Scientist
1979 - 1985	Dynalysis of Princeton, Inc., Princeton, NJ Senior Scientist/Vice President

### Selected Honors and Leadership Activities

- Fellow, American Meteorological Society, 2013
- Denny Medal, Institute of Marine Engineering, Science and Technology, 2007
- Fellow, American Society of Civil Engineers, 2006
- Karl Emil Hilgard Hydraulic Prize, American Society of Civil Engineers, 2001
- Member, UCAR advisory Committee to NWS, 2013 – 2018
- Member, Ocean Modeling Review Panel, NOAA Science Advisory Board, 2003 -2005
- Associate Editor, Estuaries, 2002-2007
- Distinguished Visiting Scientist, Naval Oceanographic Office, 1996-1997
- Associate Editor, J. of Hydraulic Engineering, ASCE, 1996-2006

### Selected Peer-Reviewed Publications

1. "A Next-Generation Coastal Ocean Operational System: Probabilistic Flood Forecasting at Street Scale", Jordi, A., N. Georgas, and A.F. Blumberg, 2019, Bulletin of the American meteorological Society, 41-53. <https://doi.org/10.1175/BAMS-D-17-0309.1>
2. *The Urban Ocean: The Interaction of Cities with Water*. Blumberg, A., & Bruno, M. (2018). Cambridge: Cambridge University Press. doi:10.1017/9781108123839
3. "The Stevens Flood Advisory System: Operational H3-E flood forecasts for the Greater New York / New Jersey Metropolitan Region", N. Georgas, A. Blumberg, T. Herrington, T. Wakeman, F. Saleh, D. Runnels, A. Jordi, K. Ying, L. Yin, V. Ramaswamy, A. Yakubovskiy, O. Lopez, J. McNally, J. Schulte, and Y. Wang, International Journal of Safety and Security Eng., 0,0, 1-15, ISSN: 2041-9031 (paper format), ISSN: 2041-904X (online), <http://www.witpress.com/journals> DOI: 10.2495/SAFE-V0-N0-1-15.
4. "Street Scale Modeling of Storm Surge Inundation along the New Jersey Hudson River Waterfront", Blumberg, A., N. Georgas, L. Yin, T. Herrington and P. Orton, J. Atmos and Ocean Tech, 32, 8, 1486-1497, 2015.
5. "The Impact of Tidal Phase on Hurricane Sandy's Flooding Around New York City and Long Island Sound", Georgas, N., P. Orton, A. Blumberg, L. Cohen, D. Zarrilli, and L. Yin, Journal of Extreme Events, DOI: 10.1142/S2345737614500067, 2014. <http://www.worldscientific.com/doi/abs/10.1142/S2345737614500067>
6. "Dynamic Coastal Flood Modeling", Orton, P., S. Vinogradov, N. Georgas, A. Blumberg, N. Lin, V. Gornitz, C. Little, K. Jacob and R. Horton, Ann. N.Y. Acad. Sci. 1336 (2015) 56–66 C, 2015.
7. "Detailed Modeling of Recent Severe Storm Tides in Estuaries of the New York City Region", Philip Orton, Nickitas Georgas, Alan Blumberg, Julie Pullen, J. Geophys. Res., doi:10.1029/2012JC008220, 2012.
8. "Establishing Confidence in Marine Forecast Systems: The design and skill assessment of the New York Harbor Observation and Prediction System, version 3 (NYHOPS v3)", Georgas N., and A. F. Blumberg. Estuarine and Coastal Modeling, American Society of Civil Engineers. 660-685, 2010.