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<p>Background</p>	<ul style="list-style-type: none"> • Former Director of the Institute of Oceanography of the University of Hamburg, Head of the research group “Satellite Oceanography. • Working since 1973 in the field of microwave remote sensing of the ocean using laboratory, airborne and space-borne sensors as well as theoretical models. • Principal Investigator for the Seasat, the Shuttle Imaging Radar B (SIR-B), the Shuttle Imaging Radar C/X-SAR (SIR-C/X-SAR), the ERS, and the Envisat missions. • Author and co-author of more than 110 papers in peer reviewed journals and books and of more than 100 papers in conference proceedings dealing with different aspects of remote sensing of the ocean. • Main research activities: 1) Theory of radar imaging of ocean surface waves, oceanic internal waves, and underwater sand banks, 2) Study of internal waves in the ocean and of atmospheric phenomena in the marine boundary layer (atmospheric gravity waves, boundary layer rolls, coastal wind fields, rain cells) using synthetic aperture radar data, 3) Study of the damping of surface waves by surface films. • General Chairman of the 1999 IEEE Geoscience and Remote Sensing Symposium (IGARSS’99) in Hamburg, Germany. • Since 1999 Visiting Professor at the Ocean University of China in Qingdao, Shandong, and since 2007 Adjunct Research Scientist at the State Key Laboratory of Satellite Ocean Environment Dynamics, Second Institute of Oceanography, State Oceanic Administration, in Hangzhou, Zhejiang.
<p>Activities in education</p>	<ul style="list-style-type: none"> • Teaching obligations (8 hours per week) as a Full Professor at the University Hamburg. • Lecturing at various ocean remote sensing training courses in China (Qingdao, Hangzhou, Shanghai, Hong Kong) and other countries (Taiwan, South Korea, Vietnam, India, and Mexico).
<p>Distinctions / Memberships</p>	<p>2001: "Distinguished Techn. Achievement Award" of the IEEE Oceanic Eng. Soc. 2001: "Nansen Polar Bear Award" of the Nansen Environmental and Remote Sensing Center in Bergen, Norway. 2008: "Distinguished Science Award" of the International Pan Ocean Remote Sensing Conference Association (PORSEC). 2007: Qilu Friendship Award of the Shandong Provincial Government of the People’s Republic of China. 2008: National Friendship Award of the People’s Republic of China 2010: Honorary Citizenship of the Shandong Province, P.R. China.</p>
<p>Selected Publications</p>	<ul style="list-style-type: none"> • Alpers, W., D.B. Ross, and C.L. Rufenach: "On the detectability of ocean surface waves by real and synthetic aperture radar", <i>J. Geophys. Res.</i>, 86, 6481-6498, 1981. • Alpers, W. and E.Salusti: "Scylla and Charybdis observed from space", <i>J. Geophys. Res.</i>, 88, 1800-1808, 1983. • Alpers, W. and E. Salusti: "Scylla and Charybdis observed from space", <i>J. Geophys. Res.</i>, 88, 1800-1808, 1983. • Alpers, W.: "Theory of radar imaging of internal waves", <i>Nature</i>, 314, 245-247, 1985. • Alpers, W. and H. Huehnerfuss: "The damping of ocean waves by

	<p>surface films: a new look at an old problem", <i>J. Geophys. Res.</i>, 94, 6251-6265, 1989.</p> <ul style="list-style-type: none">• Alpers, W., J. P. Chen, Ch.-J. Pi, and I-I Lin, "On the origin of atmospheric frontal lines off the east coast of Taiwan observed on space-borne synthetic aperture radar images", <i>Mon. Wea. Rev.</i>, 138, 475-496, DOI:10.1175/2009MWR2987.1, 2010.• Alpers, W., and W. Huang, "On the discrimination of radar signatures of atmospheric gravity waves and oceanic internal waves on synthetic aperture radar images of the sea surface", <i>IEEE Trans. Geosci. Rem. Sens.</i>, 49(3), 1114-1126, 2011.• Alpers, W., A. Yu. Ivanov, and K.-F. Dagestad, "Encounter of foehn wind with an atmospheric eddy over the Black Sea as observed by the synthetic aperture radar onboard Envisat" <i>Mon. Wea. Rev.</i>, 139, 3992-4000, doi:10.1175/MWR-D-11-00074.1, 2011.• Alpers, W., W. K. Wong, K.-F. Dagestad, and P. W. Chan, "A northerly winter monsoon surge over the South China Sea studied by remote sensing and a numerical model". <i>Int. J. Rem. Sens.</i>, 33:23, 7361-7381, 2012.• Alpers, W., P. Brandt, A. Lazar, D. Dagherne, B. Sow, S. Faye, M. W. Hansen, A. Rubino, P.-M. Poulain, and P. Brehmer, "A small-scale oceanic eddy off the coast of West Africa studied by multi-sensor satellite and surface drifter data". <i>Rem. Sens. Environ.</i>, 129, 132-143, doi:10.1016/j.rse.2012.10.032, 2013.
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