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## 1 Professional preparation

- 2004-2006 **Postdoctoral Researcher**  
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2003-2004 **Postdoctoral Researcher**  
Ocean Sciences, University of California, Santa Cruz, CA, USA
- 1996-2003 **Ph.D. in Physical Oceanography**  
University of Hawaii, Honolulu, HI, USA
- 1991-1993 **M.Sc. in Physics**  
University of British Columbia, Vancouver, BC, Canada
- 1987-1991 **B.Sc. (Hons.) in Engineering Physics**  
Queen's University, Kingston, ON, Canada

## 2 Appointments

- 2015- **Associate Research Oceanographer**  
Scripps Institution of Oceanography, La Jolla, CA, USA
- 2012-2015 **Assistant Research Oceanographer**
- 2006-2012 **Assistant Project Scientist**

## 3 Products

### Closely related publications

- 2015 **Standing internal tides in the Tasman Sea observed by gliders**  
*J. Phys. Oceanogr.*, **45**, 2715-2737, doi: 10.1175/JPO-D-15-0038.1  
T. M. S. Johnston, D. L. Rudnick, and S. M. Kelly
- 2015 **The formation and fate of internal waves in the South China Sea**  
*Nature*, **521**, 65-69, doi: 10.1038/nature14399  
M. H. Alford and co-authors
- 2015 **Trapped diurnal internal tides, propagating semidiurnal internal tides, and mixing estimates in the California Current System from sustained glider observations, 2006-2012**  
*Deep-Sea Res. II*, **112**, 61-78, 10.1016/j.dsr2.2014.03.009  
T. M. S. Johnston and D. L. Rudnick

- 2013 **Internal tidal energy fluxes in the South China Sea from density and velocity measurements by gliders**  
*J. Geophys. Res. Oceans*, **118**, 3939-3949, doi:10.1002/jgrc.20311  
T. M. S. Johnston, D. L. Rudnick, M. H. Alford, A. Pickering, and H. L. Simmons
- 2013 **High frequency internal waves near the Luzon Strait observed by underwater gliders**  
*J. Geophys. Res. Oceans*, **118**, 774-784, doi:10.1002/jgrc.20083  
D. L. Rudnick, T. M. S. Johnston, and J. T. Sherman

#### Other significant publications

- 2011 **Elevated mixing at a front**  
*J. Geophys. Res.*, **116**, C11033, doi: 10.1029/2011JC007192  
T. M. S. Johnston, D. L. Rudnick, and E. Pallas-Sanz
- 2009 **Thin phytoplankton layer formation at eddies, filaments, and fronts in a coastal upwelling zone**  
*Deep-Sea Res. II*, doi:10.1016/j.dsr2.2008.08.006, **56**, 246-259  
T. M. S. Johnston, O. M. Cheriton, J. T. Pennington, and F. P. Chavez
- 2008 **Strong transport and mixing of deep water through the Southwest Indian Ridge**  
*Nature Geosci.*, **1**, 755-758, doi: 10.1038/ngeo340  
J. A. MacKinnon, T. M. S. Johnston, and R. Pinkel
- 2003 **Internal tide scattering at the Line Islands Ridge**  
*J. Geophys. Res.*, **108** (C11), 3365, doi: 10.1029/2003JC001844  
T. M. S. Johnston, M. A. Merrifield, and P. E. Holloway
- 2003 **Internal tide scattering at seamounts, ridges, and islands**  
*J. Geophys. Res.*, **108** (C6), 3180, doi: 10.1029/2002JC001528  
T. M. S. Johnston and M. A. Merrifield

## 4 Synergistic activities

SeaSoar database (2005); Physical Oceanography Dissertation Symposium I (*Oceanography* magazine article on a model program for physical oceanography graduate education, 2003); Hawaii State Science Fair judge (1998-2003)

## 5 Collaborators

**Advisors:** R. Kiefl (U. British Columbia), M. Merrifield (UH), M. McManus (UCSC), D. Rudnick (SIO)

**Collaborators:** M. Alford (APL/UW), M. Buijsman (GFDL), G. Carter (UH), B. Cornuelle (SIO), K. Karnauskas (WHOI), J. Klymak (U. Victoria), J. Nash (OSU), W. Owens (WHOI), T. Peacock (MIT), A. Pickering (APL/UW), R. Pinkel (SIO), A. Ponte (SIO), S. Sarkar (UCSD), H. Simmons (UAF), S. Worriolow (WHOI), E. Terrill (SIO), Z. Zhao (APL/UW)

**Postdoc sponsored:** E. Pallas-Sanz (2008-2009)