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Science and Engineering Communications
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Experience

WordChemist, Silver Spring, MD

2012–present

Independent Writer

Contributing editor for *Tribology and Lubrication Technology* (*stle.org*): write features and webinar-based magazine articles. Acting science editor for *Eos* magazine (<https://eos.org>) for 4 months in 2015; continue to edit articles and news stories, work with authors and art staff. Perform background research on nominees to the National Inventors Hall of Fame (*invent.org*). Regularly wrote for the American Chemical Society's "Cutting Edge Chemistry" (*acs.org*) and Wiley-VCH/ChemPubSoc Europe's "Chemistry Views" (*chemistryviews.org*). Wrote a series of feature articles for ACS on postgraduate career planning.

High Performance Technologies, Inc. (HPTi), Arlington, VA

2007–2011

(Acquired by Engility Corp.)

Senior Communications Associate (DoD Secret clearance)

Managed reporting and communications for the Army High Performance Computing Research Center (AHPARC). This was largely a one-person effort; it required a high degree of independence and self-direction. Wrote articles and reports on research by more than 20 primary investigators on computer modeling and simulation, hardware and software architecture for supercomputers and computing clusters, fluid dynamics, and new materials development. Wrote and produced the *AHPARC Bulletin* (print and web), website, booklets, slide presentations, and progress reports. Assisted corporate management in developing and preparing contract proposals, white papers, and display materials. Won HPTi Pride Award for management of conference exhibits.

Jorge Scientific Co., Arlington, VA

2005–2007

Contractor, Office of Naval Research Public Affairs

Senior Science Writer (DoD Secret clearance)

Science writer for ONR public affairs team. Publicized ONR-sponsored research to the Navy, science and technology stakeholders, and the general public. Arranged media interviews with ONR program officers, assisted with basic media training. Collaborated with ONR leadership to prepare responses to sensitive and controversial issues. Collaborated with other public affairs staff members to prepare exhibits, media alerts and outreach campaigns, and to maintain contact with members of the Navy science and technology enterprise.

Managed the *NRE Navigator*, a monthly e-mail and online newsletter project, from concept through execution. Wrote original content and solicited outside articles, maintained and developed a mailing list of more than 900 active subscribers. Worked with in-house software developers and an outside vendor to develop and maintain production and distribution capabilities.

American Chemical Society, Washington, DC**1999–2005****Senior Web Associate, chemistry.org**

Coordinated content for the American Chemical Society's web portal. Wrote, solicited, commissioned, and edited feature stories and short items based on recent scientific publications, news items, ACS member activities, and topics of general interest. Collaborated with freelance editor on weekly summaries of the scientific and patent literature. Used high-end content management system to prepare web pages for posting on the portal. Represented *chemistry.org* at ACS National Meetings.

Associate Editor, *Today's Chemist at Work, Modern Drug Discovery, Chemical Innovation*

Wrote, solicited, evaluated, and edited articles for monthly magazines with readers in industrial chemistry research, R&D management, and intellectual property law. Wrote or solicited articles for departments covering laboratory methods, computational and Internet developments, regulatory affairs, book reviews, and humorous topics. Wrote 4–5 feature stories each year. Participated in art meetings and all phases of prepress production. Contributed ideas and evaluations for magazine relaunch. Attended 4–10 conferences annually to identify potential authors and maintain current awareness.

Continuing Education

To Think, To Write, To Publish: True Stories That Matter;

Consortium for Science, Policy, and Outcomes, 2014

Fiction II; The Writer's Center (Bethesda MD), 2013

Write to Change the World; The OpEd Project, 2009

Published op-ed: Medicine Gobbles Up Research Money.

Atlanta Journal-Constitution, Nov. 19, 2009.

Education

Doctor of Philosophy in Chemistry, Solid State specialization

Arizona State University, Tempe, Arizona

Bachelor of Science in Chemistry, Geosciences minor

Texas Tech University, Lubbock, Texas

Professional Affiliations

The American Geophysical Union, 2013–present

American Association for the Advancement of Science, 2007–present

National Association of Science Writers, 2001–present

D.C. Science Writers Association, 2001–present

Awards and Advancements

HPTi: Promoted from Senior Associate I to Senior Associate II in 2011.

HPTi Pride Award, for planning, production, and management of the AHPCRC exhibit at Supercomputing 2010 and the AHPCRC and HPTi exhibits at the Army Science Conference 2010.

Jorge Scientific: Promoted from Senior Analyst to Lead Analyst in 2007.

A selection of my published work is available at www.wordchemist.com/clips.html.