

Excerpts from Al's nomination letter:

A self-described 'nerd' at BHS, Al developed from a well-rounded high school student (Boys Service Organization / Chess, German, and Science Clubs / Student Senate / Class Officer-Senior Executive Committee / NHS / Baseball Team all 4 years) into a world-renowned researcher, inventor, and well-respected expert in Chemical Engineering.

Education:

University of Cincinnati, 1971-1976 - B.S. Chemical Engineering

University of Colorado, 1976-1980 - Ph.D. Chemical Engineering

Work history:

The Dow Chemical Company, Midland, MI 1980-1996 (Research Scientist)

University of Colorado, Boulder, CO (1996-present) H T Sears Memorial Professor and Executive Director, Colorado Center for Biorefining and Biofuels, Department of Chemical and Biological Engineering, University of Colorado, Boulder

Research Scientist/Head of Research Group

<http://www.colorado.edu/che/TeamWeimer/AlanWeimer/AlanWeimer.htm>

This University of Colorado research group led by Alan Weimer has taken on the challenge of "Reinventing the Toilet." In September of 2012, this group (with Principal Investigator Karl Linden) received funding from the Bill & Melinda Gates Foundation to develop a novel toilet that produces char from waste using solar energy. <http://techportal.eere.energy.gov/technology.do/techID=989>

The Australian National University, Canberra, Australia (Adjunct Professor - Solar Thermal Group), February 2013-present

Entrepreneurial Spirit

Co-founded ALD NanoSolutions, Inc. in 2001, Board of Directors (www.ALDNanoSolutions.com); Broomfield, CO and Boston, MA
Provide Atomic Layer deposition (thin coating) to various substrates at production scale for various applications (batteries & energy; catalysts; ultra-barriers, etc.) .

Co-founded Copernican Energy in 2006; now Sundrop Fuels, Inc. (www.SundropFuels.com) - a globally-focused, bio-based fuel and chemicals company that is building the world's largest renewable gasoline plant; Longmont, CO; served as Chief Technical Officer from 2008 to 2011

Community Service

T-ball, Minor, Little, Pony and Colt League Boy's baseball and Girl's softball manager for 16 years.

Niwot, CO Community Organizer - (self-detailed) lead the community fight against the local phone utility that wanted to build a giant windowless brick phone exchange building with a giant tower and 30 parking spaces for rent to vendors, to be built in his little town; 'fight' lasted two years and he would show up at the courthouse to represent the community; in the end they built what looks like a house with fake windows, fake chimney, fake oak doors, and only 3 parking spaces. This building actually won the SW U.S. competition for most aesthetically pleasing utility structure. So, he notes "it IS possible to come to some reasonable understanding with a utility!"