

EDUCATION

- ◆ California Polytechnic State University, San Luis Obispo
BS in BioResource and Agricultural Engineering, 2002



PROFESSIONAL LICENSES and SOCIETIES

- ◆ Certified Engineer-In-Training in California
- ◆ Member, American Society of Agricultural Engineers
- ◆ Member, US Committee on Irrigation and Drainage

EXPERIENCE

- 04/02 - Present **MBK Engineers, Sacramento, CA**
Assistant Engineer
Perform extensive research of water rights and corresponding boundaries from records at the State Water Resources Control Board Division of Water Rights. Complete and submit progress reports, reports of licensee, and protests. Evaluate projects during permit term to proceed to license. Analyze water distribution systems to determine quantities from diverse supplies. Prepare water management plans for water agencies. Examine grant funding potential for projects and submit applications.
- 06/00 – 04/02 **Cal Poly Irrigation Training and Research Center, San Luis Obispo, CA**
Student Engineer
Researched, evaluated and published findings on new technologies in engineering for water agencies. Administer \$6.5 million grant program for peak electrical load reductions in California agriculture funded by Senate Bill 5x and managed by the California Energy Commission. Reviewed engineering projects for water agencies throughout California for the peak load reduction program.
- 06/99 – 06/00 **Associated Students, Inc. (ASI), San Luis Obispo, CA**
Chairman of ASI/UU Programs and Services Committee
Oversaw operations of ASI and the University Union fee-funded facilities. Developed budgets for the \$9 million Corporation with assistance of staff and subcommittees. Advised ASI President and Board of Directors.
- 08/89 – 09/99 **Darrell Cordova Farms, Denair, CA**
General Farm Labor
Supervised daily work and irrigation crew. Advised in management decisions on farming practices. Maintained and operated numerous pieces of equipment.

ENGINEERING PUBLICATIONS

- ◆ “Electrical Load Shifting in Irrigation Districts – California’s Program” (C.M. Burt, R. Am̄n, D.B. Cordova), 2002
- ◆ “Adjustable Magnetic Coupler” (C.M. Burt, D.B. Cordova), 2001
- ◆ “Flap Gate” (C.M. Burt, D.B. Cordova), 2001
- ◆ “Open Channel Doppler Flow Meter” (S. Styles, D.B. Cordova), 2001
- ◆ “Benchmarking of Flexibility and Needs 2000: Survey of Irrigation Districts, USBR Mid Pacific Region” (C.M. Burt, A.J. Mutziger, D.B. Cordova), 2000