

CAST Publications 2007-2008

26th Annual Agribusiness Management Conference, Proceedings, November 2007, CATI Publication #071101.

Adhikari D.

Adhikari D., James Ayars, Dave Goorahoo and Florence Cassel S. 2008. Micro Sprinkler Irrigation using SCADA and sensor network for freeze protection. Published in Arab Water World Magazine pp 22-26. Beirut Lebanon. Mar 2008.

Adhikari D., J. Ayars, D. Goorahoo and F. Cassel S. 2008. Micro Sprinkler Irrigation using SCADA and sensor network for freeze protection. Arab Water World Magazine, March issue, Beirut, Lebanon, pp 22-26.

Adhikari D., D. Goorahoo, and F. Cassel S. 2007. Automated Feedback Irrigation: A Means for Freeze Damage Prevention. Abstracts, American Society of Agronomy-Crop Society of America – Soil Science Society of America, Madison, WI.

Ashkan S., D. Goorahoo, F. Cassel S. and D. Adhikari. 2007. Effects of Elevated CO₂ on Berry Production in California. Abstracts, American Society of Agronomy-Crop Society of America – Soil Science Society of America, Madison, WI.

Banerjee Santanu, Bezerra Joe A., Whalen Bob 2007. *Creative Communities – Fueling the Culture of Innovation*. Published in the International Association of Science Parts (IASP) Magazine

Benes, Sharon

Grattan, S.R., **Benes, S.E.**, Peters, D.W. and F. Diaz (2008). “Feasibility of Irrigating Pickleweed (*Salicornia bigelovii*. Torr) with Hyper-saline Drainage Water”. Journal of Environmental Quality. Published on-line as manuscript: Q07-0450s; DOI: 10.2134/jeq2007.0450 in advance of print run. (Peer-reviewed journal article)

Benes, Sharon E., Sergio O. Juchem, Peter H. Robinson, Martin Brito, G. Getachew Pablo Vasquez, Pablo Chilibroste, Stephen R. Grattan (2008). “Forage Production using Saline Drainage Water: Assessing the Selenium Hazard for Grazing Beef Cattle”. 2nd International Salinity Forum, Adelaide, Australia, March 31- April 3rd, 2008. (Proceedings paper, not peer-reviewed).

Bushoven, John

Hull RJ, **Bushoven JT** (2007) Turfgrass Root Growth, Increasing Nitrate Metabolism, *Turfgrass Trends*, August, 1-4

Amador JA, Hull RJ, Patenaude E, **Bushoven JT**, Gorres JH (2007) Potential Nitrate Leaching Under Common Landscaping Plants, *Water, Air, & Soil Pollution*, 185: 323-333

Hull RJ, **Bushoven JT** (2007) Recognizing the Nitrate Effect on Root Growth and Development, *Turfgrass Trends*, July, 1-3

Cassel S., F.

Cassel S., F., D. Goorahoo, D. Adhikari, and S. Ashkan. 2007. Photosynthesis Response Curves for Strawberries Subjected to Elevated CO₂ Levels. Proceedings of the 2007 North American Strawberry Symposium (NASS) and the North American Strawberry Growers Association (NASGA). pp 141-145. Ventura, CA. Feb. 9-12 2007.

Cassel S., F., D. Goorahoo, D. Zoldoske, and D. Adhikari. 2008. Mapping Soil Salinity Using Ground-Based Electromagnetic Induction. In Remote Sensing of Soil Salinization: Impact and Land Management, G. Metternicht and A. Zinck (eds), CRC Press, book chapter

5 (in press).

Cassel S., F. 2007. Investigation of potential seepage areas around the Oakes recharge basin. Final report, Kaweah Delta Water Conservation District, CA. 60 pp.

Cassel S., F., D. Goorahoo, D. Adhikari, and S. Ashkan. 2007. Photosynthesis Response Curves for Strawberries Subjected to Elevated CO₂ Levels. Proceedings of the 2007 North American Strawberry Symposium (NASS) and the North American Strawberry Growers Association (NASGA), pp 141-145 (peer-reviewed).

Cassel S., F., D. Goorahoo, D. Adhikari and S. Ashkan. 2007. Effects of Elevated OpenFieldCO₂ Levels on Photosynthesis Response Curves in Strawberries. Abstracts, American Society of Agronomy-Crop Society of America – Soil Science Society of America, Madison, WI.

Choudhury, G. S.

Choudhury, G. S., & Ferris, D. (2007). *Refereed Abstract - Development of a culinology program*. Abstract No.004-02, IFT Annual Meeting Book of Abstracts, p. 11.

Choudhury, G. S., Bacon, D., Dowdle, D., & Harper, K. L. (2007). *Refereed Abstract – Water demand and wastewater quality of a peach lye-peeling operation*. Abstract No.008-14, IFT Annual Meeting Book of Abstracts, p. 25.

Choudhury, G.S. (2008). *Methods, apparatuses, and systems for removing the peel from food products*. U.S. patent under preparation.

Choudhury, G. S. (2007). *Application of ozone for in-plant water processing and reuse*. Abstract for International Water Technology Conference and Ozone V, Fresno, CA, April 2-4, 2007.

Deng, X., Barry J. Barnett, Gerrit Hoogenboom, Yingzhuo Yu and Axel Garcia y Garcia. (2008). "Alternative Crop Insurance Indexes." *Agricultural and Applied Economics*, forthcoming, 40 (2008), P271-280.

Dormedy, Erin S. (2007). *Refereed Abstract - Undergraduate research as curriculum in upper division food science courses*. Paper presented at the Institute of Food Technologists 2007 Annual Meeting.

Ferris, D.A.

Choudhury, G. S., & **Ferris, D.A.** (2007). *Refereed Abstract - Development of a culinology program*. Abstract No.004-02, IFT Annual Meeting Book of Abstracts, p. 11.

Fugelsang, K.C.

Fugelsang, K.C. and Edwards, CG. *Wine Microbiology: Practical Applications and Procedures*. Springer-Verlag. 2007

Carlton, W., Hassam, A, Gump, B.H. and **Fugelsang, K.C.** 2007. Rapid Method for Determination of Acetaldehyde during Microoxygenation. *J. Agric. and Food Chem*

Goorahoo, Dave

Goorahoo D., D. Adhikari, D. Zoldoske, F. Cassel S., A. Mazzei, and R. Fanucchi. 2007. Potential for AirJection® Irrigation in Strawberry Production. Proceedings of the 2007 North American Strawberry Symposium (NASS) and the North American Strawberry Growers Association (NASGA), pp 152-155 (peer-reviewed).

Goorahoo D., Diganta Adhikari, David Zoldoske, Florence Cassel S., Angelo Mazzei and Richard Fanucchi 2007. Potential for AirJection® Irrigation in Strawberry Production. Proceedings of the 2007 North American Strawberry Symposium (NASS) and the North American Strawberry Growers Association (NASGA). pp 152-155. Ventura, CA. Feb. 9-12

2007.

Goorahoo, D., Suen, J., & Cassel S., F. 2008. Vertical transport study in soil. Annual progress report to the California Department of Pesticide Regulation, Environmental Monitoring Branch.

Goorahoo, D. 2008. Agricultural Research Initiative (ARI) – CSU - Final report on Evaluation of Lagoon Buffer as a Best Management Practice for Dairy Effluent Stream. 11pgs. Project # 00-2-015. Co-PI: David Zoldoske

Goorahoo, D. 2008. Agricultural Research Initiative (ARI) – CSU - Final report on Spatial Variability of Organic and Nitrogen Loading from Winery Stillage Application. 9pgs. Project # 00-2-015. Co-PIs: Florence Cassel S. and Diganta Adhikari.

Goorahoo, D. 2008. Agricultural Research Initiative (ARI) – CSU - Final report on the Impact of Air Injected into Water Delivered through Subsurface Drip Irrigation (SDI) Tape on the Growth and Yield of Vegetables and Fruits. 10pgs. Project # 03-2-009. Co-PIs: David Zoldoske and Diganta Adhikari.

Goorahoo, D. 2008. Agricultural Research Initiative (ARI) – CSU - Final report on Monitoring Real Time Emissions of Ammonia, Methane and Hydrogen Sulfide at Dairies. 16pgs. Project # 02-2-012 Co-PI: Charles F Krauter.

Goorahoo, D. 2008. CDFA Specialty Crop Grant - Final report on the The Impact of Air Injected into Water Delivered through Subsurface Drip Irrigation (SDI) Tape on the Growth and Yield of Melons. 11pgs. Project # 03-8-003 Co-PIs: Diganta Adhikari, David Zoldoske and Florence Cassel S.

Goorahoo, D. 2008. CDFA Specialty Crop Grant - Final report on the The Impact of Air Injected into Water Delivered through Subsurface Drip Irrigation (SDI) Tape on the Growth and Yield of Tomatoes. 10pgs. Project # 03-8-004 Co-PIs: Diganta Adhikari, David Zoldoske and Florence Cassel S.

Cassel S., F., **D. Goorahoo**, D. Zoldoske, and D. Adhikari. 2008. Mapping Soil Salinity Using Ground-Based Electromagnetic Induction. In Remote Sensing of Soil Salinization: Impact and Land Management, G. Metternicht and A. Zinck (eds), CRC Press, book chapter 5 (in press).

Adhikari D., J. Ayars, **D. Goorahoo** and F. Cassel S. 2008. Micro Sprinkler Irrigation using SCADA and sensor network for freeze protection. Arab Water World Magazine, March issue, Beirut, Lebanon, pp 22-26.

Cassel S., F., **D. Goorahoo**, D. Adhikari, and S. Ashkan. 2007. Photosynthesis Response Curves for Strawberries Subjected to Elevated CO₂ Levels. Proceedings of the 2007 North American Strawberry Symposium (NASS) and the North American Strawberry Growers Association (NASGA), pp 141-145 (peer-reviewed).

Huck, M.T. and D.F. Zoldoske. 2008. "Achieving High Efficiency in Water Application via Overhead Sprinkler Irrigation", Water Quality and Quantity Issues for Turfgrasses in Urban Landscapes, Council of Agricultural Science and Technology, Ames, Iowa, USA, pp. 223-242.

Jones, M.

Jones, M. (2007). Making best practice everyday practice. *Bridges*, 12 (1), pp. 14-17.

Jones, M. (2007). What is a leader, anyway? *Child Care Information Exchange*, Nov/Dec, pp.16-19.

Krauter, Charles

Krauter, Charles F., S. Ashkan., M. Beene, W. Salas, C. Liu and D. Blake. Measurement of Greenhouse Gas Emissions from Dairy Farms in California. Proceedings of the California Air Resources Board Greenhouse Gas Conference. Sacramento, CA. September, 2007.

Krauter, Charles F. and S. Ashkan. Air Sampling Methodology: Evaluating flux chamber and gas analysis tools to measure emissions from compost piles, bio-filters and raw materials. Preliminary results from a study of an active composting system on dairy solids in the Central Valley of California. Proceedings of the 27th annual BioCycle Conference. San Diego, CA. April, 2008

Lawson, Andrew B.

Krugner, Rodrigo, K. M. Daane , **A. B. Lawson**, and G. Y. Yokota (2007). Temperature-dependent development of *Macrocentrus iridescens* (Hymenoptera: Braconidae) as a parasitoid of the obliquebanded leafroller (Lepidoptera: Tortricidae): Implications for field synchrony of parasitoid and host. *Biological Control*. 42(2) pp. 110–118.

Mahalik, N.P.

N. P. Mahalik and Matthew Yen, Extending Fieldbus Technology for Food Processing and Packaging Industry, accepted for publication in the Int'l Journal of Computer Standards and Interface, Elsevier Science, March 2008

N. P. Mahalik and Tony Au, Life Cycle Data Acquisition from Industrial Systems using Control Network: A Monitoring and Assessment Scheme for Sustainability, accepted for publication in the Journal of Environmental Progress, Wiley-Blackwell, February 2008.

N. P. Mahalik, Recent advances in food processing and packaging technology: A review, accepted for publication in the international Journal of Automation and Control, Inderscience, Vol. 2, No. 2, April 2008

S. Patnaik and **N. P. Mahalik**, Multi-agent coordination utilizing Q-Learning, published in the International Journal of Automation and Control, accepted for Vol. 1/4, 2008

N. P. Mahalik and Mo Jamshidi, 4 Editorials for the International Journal Automation and Control, Inderscience, Vol. 1/1, Vol. 1/2-3, Vol. 1/4.

N. P. Mahalik, Book, Microelectromechanical Systems, McGraw Hills, 477 pages (40% of effort was given at Fresno State)

Mahfoud, M. & Seepersad, S. *Couple Relationship Characteristics and its Association to Attachment Styles*. Poster presented at the 29th Annual Central California Research Symposium in Fresno, CA. April 2008

Nabulsi, M., Parkin, C., Ramos, K., Hopayian, K., & Porzsolt, F. (2007) The effectiveness of education in evidence-based health care: The current state of outcome assessments and a framework for future evaluations. *International Journal of Evidence-Based Health Care*, 5, 468-494.

Naffziger, Kimberly, Mason, Bert, Alvarado, Andy, "Farm Worker Motor Vehicle Safe Driving Education Program – Training Manual", CATI publication number 080102, 2008.

O'Connell, J. and B. Mason. The Role of Air Cargo in California's Agricultural Export Trade: A 2007 Update. (CATI Publication #070801). August 2007.

Paggi, Mechel S.

Paggi, Mechel S., Fumiko Yamazaki and Fangbin Qiao. "Representative Farm Models for California Specialty Crops: Forecast, Policy Analysis and International Comparative Studies", Final Report, California Institute for the Study of Specialty Crops, Contract CC#37508, September, 2007.

Paggi, Mechel S., Fumiko Yamazaki and Fangbin Qiao, "An Application of Representative Farm Modeling Systems In Quantitative Analysis of Policy Alternatives and Consequences:

An Economic Assessment of Producer Charge Back Fee For Disposal of Food Processing Waste in Stanislaus County, California”, California Institute for the Study of Specialty Crops, August, 2007. <http://cissc.calpoly.edu/research/EconomicAssessmentoftheStanislausCountyFoodProcessingWasteProgram.pdf>

Paggi, Mechel S. and Fumiko Yamazaki. “An Analysis of the Grape Juice Concentrate Industry: Implications for Central California Grape Producers, California Agricultural Technology Institute, CATI Pub. #070802, August, 2007.

Qiao, Fangbin and Mechel S. Paggi. “China’s Cotton Processing Market: Final Report Cost of Production in the People's Republic of China: Economic Implications for U.S. Cotton Producers, Project #05-660, February, 2008.

Ramos, K.D.

Ramos, K.D. (2007) Parental Responsiveness to Children’s Sleep Signals. *Sleep Abstract Supplement*, 30, A89.

Ramos, K.D., Youngclarke, D., & Anderson, J.E. (2007) Parental perceptions of sleep problems among cosleeping and solitary sleeping children. *Infant and Child Development*, 16, 417-431.

Roberts, Bruce

Arnold, C., B. Borges, G. Miller, and **B. Roberts**. 2008. Early Season Pest Control in Cotton: Good or Bad? Undergraduate poster presentation, California Plant and Soils Conference, Visalia, CA. February 2008. Abstract also published in proceedings.

Gonias, E.D, Oosterhuis, D.M. Bibi, A.C. and **Roberts B.A.** 2008. Radiation use efficiency in cotton: Effect of environment and plant growth regulators. CD-ROM Proc. Beltwide Cotton Conferences. Nashville, TN, Jan 8-11, 2008. National Cotton Council of America, Memphis, TN.

Gonias, E.D, Oosterhuis, D.M. Bibi, A.C. and **Roberts B.A.** 2008. Radiation use efficiency of cotton in contrasting environments. Summaries of Arkansas Cotton Research 2007. University of Arkansas Agricultural Experiment Station (In press).

Roberts, B.A., S. Ustin, M. Whiting, B. Hutmacher, S. Wright, B. Taylor, T. Sheely and Nick Groenenberg. 2007 Evaluation of Spatially Variable Defoliation Treatments for Cotton: Cotton Incorporated Core Project.

Ratto, L., A. Bibi, D. Oosterhuis, and **B. Roberts**. 2007. Effect of temperature on cotton ovule development and yield. California Plant and Soil Conference Proceedings 2007. p. 216. (Undergraduate poster presentation abstract)

Rodriguez, J.L., M. Soni, **B.A. Roberts** and B. Sethuramasamyraja. 2007, Cotton Yield Monitoring (Poster Presentation) Ag Expo, Tulare, CA February 2007.

Rocca, S. J.

Rocca, S. J., E. Richards, L. Torrico, B. Sausen. (May 2008). *Bridging the Ag Literacy Gap*. Poster abstract, Proceedings of the 35th annual National Agricultural Education Research Conference, Reno, NV.

Rocca, S. J., E. Richards, L. Torrico, B. Sausen. (April 2008). *Bridging the Ag Literacy Gap*. Poster abstract, Proceedings of the 27th annual Western Region Agricultural Education Research Conference, Park City, UT.

Rocca, S. J. & Washburn, S. G. (In Press). Preservice agriculture teachers’ perceptions of career barriers and support. *Journal of Agricultural Education*.

Rocca, S. J. (In press). The Next Generation of Agriculture Educators. *California Golden Slate*.

Rocca, S. J. & Vaughn, R. (Oct 2007). Fresno State: Opportunities for all. *California Golden*

Slate, 23(1), 6-7.

Seepersad, S. & Fischer, T. *How College Students Use MySpace Based On Their Levels of Loneliness, Depression, Self-Esteem, and Social Skills*. Poster presented at the 2008 Society for Research on Adolescence in Chicago, IL. March 2008.

Sethuramasamyraja, B.

Sachidhanantham, S., **B. Sethuramasamyraja**, R. L. Wample, and M. Yen. 2007. Geo-spatial wine grape quality modeling and differential harvesting for Precision Viticulture. 2007 International User Conference, Environmental Systems Research Institute, CA: ESRI.

Sethuramasamyraja, B., S. Sachidhanantham, R. L. Wample, and M. Yen. 2007 Interpolation of wine grape quality indicators (Anthocyanin and Brix) and development of differential harvest attachment. Paper No.071097. St. Joseph, Michigan: ASABE.

Sethuramasamyraja, B., V.I. Adamchuk, A. Dobermann, D.B. Marx, D.D. Jones, and G.E. Meyer. 2007. Agitated soil measurement method for integrated on-the-go mapping of soil pH, potassium and nitrate contents. *Computers and Electronics in Agriculture* 60 (2008) 212-225.

Sethuramasamyraja, B., and K. Moffitt. 2008. Geo-statistical Analysis of Student Performance in Assigned Seating. Poster Presentation. Modesto, California: CalGIS.

Sethuramasamyraja, B., V.I. Adamchuk, A. Dobermann, D.B. Marx, G.E. Meyer, and D.D. Jones. 2006. Analysis of an Ion-selective electrode based methodology for integrated on-the-go mapping of soil pH, potassium and nitrate contents. *Transactions of ASABE* Vol. 50(6): 1927-1935.

Simonian N., **B. Sethuramasamyraja**, D. Austin, N. P. Mahalik, and M. Yen. 2008. Unmanned Aerial Vehicle For Precision Agriculture. Poster Presentation. St. Joseph, Michigan: ASABE & Fresno, CA: 29th Annual Central California Research Symposium.

Singh H., S., **B. Sethuramasamyraja**, S. Sachidhanantham, and R. L. Wample. 2008. Geospatial Wine Grape Quality Modeling for Optimum Sampling Sites Estimation – Preliminary Study. Poster Presentation. St. Joseph, Michigan: ASABE.

Adhikari D., **B. Sethuramasamyraja**, and M. Yen. 2008. Feasibility of a Micro Drip SCADA System to Mitigate Crop Freeze Damage. Poster Presentation. St. Joseph, Michigan: ASABE & Fresno, CA: 29th Annual Central California Research Symposium.

Singh H., S., **B. Sethuramasamyraja**, S. Sachidhanantham, and R. L. Wample. 2008. Geospatial Wine Grape Quality Modeling for Optimum Sampling Sites Estimation. ID 23. Modesto, California: CalGIS.

Tenbergen, Klaus

Tenbergen, Klaus (2007-2008) Workbench (monthly) 12 articles per year

Tenbergen, Klaus, Crane, H.J. & Vaughan, A.M. (2007) *The time of your life – the importance of getting involved – the time to give back*, RBA Baker's Rack – November/December 2007.

Tenbergen, Klaus (2007) *Students as team player - using games to motivate students and reinforce content*, the American Culinary Federation Foundation (ACFF) for presentation at the 2008 national convention, November 20, 2007.

Tenbergen, Klaus (2007) *Healthy baking seminar presents ideas, solutions*, Baking Management, Volume 11, Number 11, November 2007.

Tenbergen, Klaus (2008) *Crack open nuts' benefits*, Baking Management Volume 2, Number 2 February 2008.

Thach, L., Bert Mason and William Ampsacher. "Millennials Test the Tasting Room". *Wine Business Monthly*. December 2007.

Thornton, R. J.

Thornton, R. J., E. Akaboshi, S. Dilley, S. B. Rodriguez (2007) Poster paper, "The use of flow cytometry to distinguish different genera of wine yeasts in spontaneous fermentations", at Australian Wine Technical Conference. Adelaide, Australia, July 2007.

Thornton, R. J., S. B. Rodriguez (2007) Non-Molecular Methods of Detection of Wine Microorganisms. Micro-Flora Symposium. American Society for Enology & Viticulture Annual Meeting, Reno NV.

Rodriguez, S.B. and Thornton, R.J. (2008) Use of flow cytometry with fluorescent antibodies in real-time monitoring of simultaneously inoculated alcoholic-malolactic fermentation of Chardonnay. *Letts. Appl. Microbiol.* 46:38-42.

Farthing, J.B., Rodriguez, S.B., and Thornton, R.J. (2007) Flow cytometric analysis of *Saccharomyces cerevisiae* populations in high sugar Chardonnay fermentations. *J.Sci. Food Agric.* 87:527 - 533

Yamazaki, Fumiko and Mechel S. Paggi. "Economic Analysis of Spatially Variable Rate Application of Cotton Defoliant: Final Report Project: #06-929", February, 2008.

Zoldoske, D.F.

Zoldoske, D.F.. 2007. "Sprinkler Systems Used for Frost Protection", Proceedings of the Workshop on Understanding and Preventing Freeze Damage in Vineyards, Institute for Continental Climate Viticulture and Enology, pp 79-88, Columbia, MO. Dec. 5 and 6, 2007.

Zoldoske, D.F. 2007. An Overview of Smart Water Application Technologies (SWAT). Proceedings of The Intelligent Use of Water Summit VII, A Look at Global Conservation Initiatives and Strategies: Leading by Example, Rain Bird, pp 7-9, Pasadena, CA Dec. 31, 2007.

Zoldoske, D.F. 2008. Water Shortage, Landscape Irrigation and the California Experience. Proceedings of the Irrigation Australia 2008, The Irrigation Association of Australia, Ltd., Melbourne Exhibition Centre, Share the Water, Share the Benefits Conference. May 20-22, 2008 (submitted).

CAST Presentations 2007-2008

Adhikari D.

Adhikari D., Dave Goorahoo, Florence Cassel S. and David Zoldoske June 2008. Smart Irrigation as a Method of Freeze Prevention: A Proposed Model. Oral presentation at ASABE Annual International Meeting to be held at Rhode Island.

Adhikari D., Dave Goorahoo, Florence Cassel S. and David Zoldoske April 2008. Optimizing Water Use Efficiency using "SMART" sensors and controllers. Oral presentation at Central California Research Symposium in Fresno CA.

Adhikari D., D. Goorahoo, and Florence Cassel S. November 2007. Automated Feedback Irrigation: A means for Freeze Damage Prevention. Oral presentation at ASA Annual Meetings New Orleans LA.

Adhikari D., Dave Goorahoo and Florence Cassel S. December 2007. Micro Sprinkler Irrigation using SCADA and sensor network for freeze protection. Oral Presentation at the Irrigation Association Show in San Diego.

Ashkan S., Dave Goorahoo, Florence Cassel S. and Diganta Adhikari November 2007. Effects of Elevated CO₂ on Berry Production in California. Poster presentation at ASA Annual Meetings New Orleans LA.

ATI-Net - Robinson, J., Norton, J., Scott, Paul, Miyasaki, D., Powell, L. - All staff of ATI-Net are called upon to make technical presentations to support other CAST activities. They also make presentations to industry partners and customers to promote, develop and/or modify existing programs and projects.

Au, Tony

Presented a seminar for the United Franchise Group "Quality Improvements Recommendations for a Computerized Embroidery and Screen Printing Production Facility" United Franchise Group, West Palm Beach, FL. July 19, 2007

Presented a seminar "Meeting Customer Expectations and Improving the Bottom Line of Your Business" at the United Franchise Group West Coast Regional Conference in San Francisco. March 14, 2008

Austin, Darnell

American Society of Engineering Education (ASEE)

Summer 07 – attended annual conference – Presenter and session Moderator

Member of Industrial Technology Division advisor group

California Industrial Technology Education Association (CITEA)

Spring 08 - attended annual conference – Presentation and Program Chair

Spring 09 – Conference/Program Chair Member of CITEA Board

Benes, Sharon

Benes, S.E., Juchem, S.O., Robinson, P.H., Brito, M., Getachew G., Vasquez, P., Chilbroste, P. and S.R. Grattan (2008). "Forage Production using Saline Drainage Water: Assessing the Selenium Hazard for Grazing Beef Cattle". 2nd International Salinity Forum, Adelaide, Australia, March 31- April 3rd, 2008. (Oral presentation)

Benes, S. and S.R. Grattan (2007). "Forage Quality and Dry Matter Yield of Halophytes Irrigated with Saline-Sodic Drainage Water" 100th annual meeting of the Soil Science, Agronomy, and Crop Science Societies of America (ASA-SSSA). New Orleans, LA. Nov. 4-8th, 2007. (Poster presentation).

Chaganti, V., Goorahoo G., Benes, S.E., and D. Adhikari (2007). “*Effect of Amendments on Hydraulic Properties of Soils Irrigated with Saline-Sodic Drainage Water: Methodology and Preliminary Results*”. 100th annual meeting of the Soil Science, Agronomy, and Crop Science Societies of America (ASA-SSSA). New Orleans, LA. Nov. 4-8th, 2007. (Poster presentation).

Chaganti, V., Goorahoo G., Benes, S.E., and D. Adhikari (2007). “*Influence of Amendments on Unsaturated Hydraulic Conductivity of a Saline-Sodic Soil*” Annual meeting of the California Chapter of the American Society of Agronomy, Visalia, CA. Feb. 5-6th, 2008. (Poster presentation).

Benes, Sharon. “*Challenges and issues related to agricultural salinity management in California*”. 45 minute talk to the Science Club at Fresno City College, April 25, 2008.

Benes, Sharon. “*Plant Responses to Saline Conditions*”. 1.5 hours presentation and discussion for Dr. Goorahoo’s PL256 class (Plant Water Relations). Fall 2007.

Bezerra, Joe A.

July 1st through 5th, 2007 invited presentation at the International Association of Science Parts (IASP) XXIV World Conference on Science and Technology Parks held in Barcelona, Spain - *Creative Communities – Fueling the Culture of Innovation*

California State Legislature

California Department of Food and Agriculture

California Environmental Protection Agency

United States Senate and Congressional Representatives

Cotton Incorporation State Committee

Western United Dairyman Association

California Tree Fruit Agreement

California State University Campuses

Bushoven, John

Bushoven, John, “Recent Advances in Horticulture at Fresno State”, Garden Club of America - Fresno Chapter, September, 25, 2007

Bushoven, John, “Introduction to Ornamental Plant Micropropagation” - Reedley College Environmental Horticulture Program, May 5, 2007

Cassel F.S., Dave Goorahoo, Diganta Adhikari and Shawn Ashkan November 2007. Effects of Elevated Open-Field CO₂ Levels on Photosynthesis Response Curves in Strawberries. Poster presentation at ASA Annual Meetings New Orleans LA.

Chaganti V., Dave Goorahoo, Sharon Benes and Diganta Adhikari November 2007. Effect of Amendments on Hydraulic Properties of Soils Irrigated with Saline-Sodic Drainage Water: Methodology and Preliminary Results. Poster presentation at ASA Annual Meetings New Orleans LA.

Chaganti V., Dave Goorahoo, Sharon Benes, and Diganta Adhikari. February 2008. Influence of Amendments on Unsaturated Hydraulic Conductivity on Saline Sodic Soils. Poster presentation at ASA-CA Chapter Meetings Visalia CA

Choudhury, G.S.

Choudhury, G.S. (2007). *Application of ozone for in-plant water processing and reuse*. Paper presented at the International Water Technology Conference and Ozone V, Fresno, CA, April 2-4, 2007.

Choudhury, G.S. (2008). *Co-production of mushroom and quality compost*. Paper presented at the meeting of the California League of Food Processors, March 6, 2008.

Choudhury, G.S. (2007). *Development of a Culinology® Program*. Paper presented at the Annual Meeting of the Institute of Food Technologists, Chicago, IL, Jul 28-Aug 2, 2007.

Choudhury, G.S. (2008). *Eco-friendly lye peeling technology*. Paper presented at the meeting of the California League of Food Processors, March 6, 2008.

Choudhury, G.S. (2007). *Water demand and wastewater quality of a peach lye-peeling operation*. Paper presented at the Annual Meeting of the Institute of Food Technologists, Chicago, IL, Jul 28-Aug 2, 2007.

Choudhury, G.S. (2008). *A comprehensive approach to food processing: A Reduction of Freshwater Use and Wastewater Discharge*. Paper presented at the ICWT Water Cluster Meeting, December 13, 2007.

Choudhury, G.S. (2008). *Peer Reviewed - Co-production of mushroom and quality compost*. Paper presented at the meeting of the California League of Food Processors, March 6, 2008.

Choudhury, G.S. (2007). *Peer Reviewed - Development of a Culinology® Program*. Paper presented at the Annual Meeting of the Institute of Food Technologists, Chicago, IL, Jul 28-Aug 2, 2007.

Choudhury, G.S. (2008). *Peer Reviewed - Eco-friendly lye peeling technology*. Paper presented at the meeting of the California League of Food Processors, March 6, 2008.

Choudhury, G.S. (2007). *Peer Reviewed - Water demand and wastewater quality of a peach lye-peeling operation*. Paper presented at the Annual Meeting of the Institute of Food Technologists, Chicago, IL, Jul 28-Aug 2, 2007.

Choudhury, G.S. (2008). *Peer Reviewed - A comprehensive approach to food processing: A Reduction of Freshwater Use and Wastewater Discharge*. Paper presented at the ICWT Water Cluster Meeting, December 13, 2007.

Choudhury, G.S. (2008). *Developing and Implementing HACCP*, May 2008.

Davis, L. & Dyer, B. (2008). Consumer Perceived Shopping Value: Mass Merchandisers vs. Department Stores. International Textile and Apparel Association Conference, November 5-8, 2008, Hyatt Woodfield, Schaumburg, Illinois

Davis, L. & Slick, S. L. (2007). Getting Larger: Exploring Plus-Size Female Consumers' Needs for Apparel. International Textile and Apparel Association Conference, November 6-10, 2007, Los Angeles, CA

Dormedy, E.S.

Dormedy, Erin S. (2007). *Peer Reviewed - Undergraduate research as curriculum in upper division food science courses*. Paper presented at the Institute of Food Technologists 2007 Annual Meeting.

Dormedy, Erin S. (2007). *La Importancia de la Higiene Personal en su Operacion de la Transformacion de los Alimentos (The Importance of Personal Hygiene on Your Food Processing Operation)*. Paper presented at the Wawona Frozen Foods Annual Supervisor Training Seminar.

Einhorn, Todd

50 minute invited talk. Water Use and Irrigation Scheduling of Tree Fruit Orchards. Mid-Columbia Agricultural Research and Experiment Center, Hood River, Oregon. November 26, 2007.

50 minute invited talk. Soil drying, ABA and vapor pressure deficit effects on gas exchange and plant water status of potted and field-grown apple trees subjected to partial rootzone drying and deficit irrigation. Oregon State University, Corvallis, Oregon. November 27, 2007.

Eoff, A. & Davis, L. (2008). Color and Theatrical Costuming. Hawaii International Conference on Social Sciences, May 29-June 1, 2008

Farrar, Jim

Farrar, J.J. Facilitating critical thinking, CETL Workshop, CSUF, April 1 and 2, 2008

Farrar, J.J. and Fine L.J. Problem-based Learning, Regional Conference on Excellence in Teaching and Learning, CSUF, March 28, 2008

Farrar, J.J. Controlling cavity spot of carrot with fungicides and varieties. USDA Seminar Series, Parlier CA, March 27, 2008

Farrar, J.J. Controlling cavity spot in a disease nursery. Carrot Research Symposium, Bakersfield, CA, March 11, 2008

Farrar, J.J. Sources of disease inoculum. Pesticide Applicators Professional Association – Fresno Continuing Education Seminar, Fresno, CA, January 24, 2008

Farrar, J.J. Cavity spot of carrot. Kern County Vegetable Meeting, Bakersfield CA, December 12, 2007

Farrar, J.J. Mushrooms, ecology, and Santa Claus, Café Scientifique, Clovis, CA, December 3, 2007

Farrar, J.J. - Past Provost's Award Recipients. A Panel Discussion of Teaching Excellence, CETL Workshop, CSUF campus, October 10, 2007

Foster, D. & Davis, L. (2008). The Growing Niche Market of Plus-Size Apparel. Hawaii International Conference on Social Sciences, May 29-June 1, 2008

Fugelsang, Kenneth

Fugelsang, K.C. Wine Microbiology Workshop. University of Iowa and Iowa State University. Ames, Iowa. July 7-8.

Fugelsang, K.C. and Gump, B.H. Red Wine Phenolic Extraction. University of Texas and Grayson Com. College. Dennison, TX. Feb. 2007.

Brettanomyces: Episode III: Clonal Diversity California State Fair, June 3, 2007.

Fugelsang, K.C. Filtration Workshop: A Primer on Perpendicular and Cross-Flow Filtration. University of Texas and Grayson Com. College. Grapevine TX. November, 2007

Goorahoo, Dave

Goorahoo, D., S. Pasakdee, and N. Reddy. 2008. Status of Organic Farming at Fresno State. Presented on April 25th 2008 as part of the CAST-RSAC seminar series. Fresno campus, CA.

Goorahoo, D., D. Adhikari, D. Zoldoske and F. Cassel S. 2008. Research Update-AirJection[®] Irrigation. Presentation given as part of the UCCE seminar on Irrigation of row crops and vegetables held at Five Points CA on April 24th 2008.

F. Cassel S., D. Goorahoo, S. Ashkan D. Adhikari, and D. Zoldoske 2008. Research Update- Potential for Improving Crop Productivity and Water-Use Efficiency Using CO₂ Emissions. Presentation give as part of the UCCE seminar on Irrigation of row crops and vegetables held at Five Points CA on April 24th 2008.

Adhikari D., D. Goorahoo, F. Cassel S. and D. Zoldoske. 2008. Optimizing Water Use Efficiency using "SMART" sensors and controllers. Presentation at Central California Research Symposium, Fresno, CA, April 2008.

Goorahoo, D. 2008. Optimizing Water Use Efficiency in Vegetable Cropping Systems in California. Presented to Fresno City College Science club on March 7th 2008.

Goorahoo, D., Cassel S., F., T. Jacobsen, and D. Adhikari. 2007. Gypsum Considerations For Crop Production Presentation given to a Japanese delegation visiting CIT to learn about applications and effects of gypsum in agriculture, Fresno, CA (Nov, 27, 2007).

Cassel S., F., D. Goorahoo, T. Jacobsen, and D. Adhikari. 2007. Assessing gypsum levels and variability in fields. Presentation given to a Japanese delegation visiting CIT to learn about applications and effects of gypsum in agriculture, Fresno, CA (Nov, 26, 2007).

Jacobsen T., D. Goorahoo, F. Cassel S., and D. Adhikari. 2007. Soil and water chemistry as related to gypsum. Presentation given to a Japanese delegation visiting CIT to learn about applications and effects of gypsum in agriculture, Fresno, CA (Nov, 27, 2007).

Cassel S., F., D. Goorahoo, D. Adhikari and S. Ashkan. 2007. Effects of Elevated Open-Field CO₂ Levels on Photosynthesis Response Curves in Strawberries. Presentation at the Annual Meetings of American Society of Agronomy-Crop Society of America – Soil Science Society of America, New Orleans, LA, Nov 2007.

Adhikari D., D. Goorahoo, and F. Cassel S. 2007. Automated Feedback Irrigation: A Means for Freeze Damage Prevention. Presentation at the Annual Meetings of American Society of Agronomy-Crop Society of America – Soil Science Society of America, New Orleans, LA, Nov 2007.

Ashkan S., D. Goorahoo, F. Cassel S. and D. Adhikari. 2007. Effects of Elevated CO₂ on Berry Production in California. Presentation at the Annual Meetings of American Society of Agronomy-Crop Society of America – Soil Science Society of America, New Orleans, LA, Nov 2007.

Goorahoo D., Diganta D Adhikari, Namratha Reddy and David Zoldoske 2007. Application of AirJection® Irrigation in Organic Farming Systems. Poster presentation at ASA Annual Meetings New Orleans LA, Nov 2007.

Reddy N., D. Goorahoo and Diganta Adhikari 2007. Assessing Nitrogen Rates for Organic Bell Pepper Production Subjected to Airjection® Irrigation. Poster presentation at ASA Annual Meetings New Orleans LA, Nov 2007.

Chaganti V., D. Goorahoo, Sharon Benes and Diganta Adhikari 2007. Effect of Amendments on Hydraulic Properties of Soils Irrigated with Saline-Sodic Drainage Water: Methodology and Preliminary Results. Poster presentation at ASA Annual Meetings New Orleans LA, Nov 2007.

Adhikari D., D. Goorahoo and F. Cassel S. 2007. Micro Sprinkler Irrigation using SCADA and Sensor Network for Freeze Protection. Presentation at the Irrigation Association Show, San Diego, CA, Dec 07.

November 2007. Goorahoo D., Diganta D Adhikari, Namratha Reddy and David Zoldoske 2007. Application of AirJection® Irrigation in Organic Farming Systems. Poster presentation at ASA Annual Meetings New Orleans LA.

Green, Bill.

Green, Bill. July 18, 2007 - Chemigation Training/ Groundwater Protection, Pesticide Applicators Professional Association (PAPA), San Jose, CA.

Green, Bill. July 19, 2007 - APEP III Municipal Pump Efficiency, Monterey Bay Waterworks Association, Castroville, CA.

Green, Bill. July 20, 2007 - APEP III Agricultural Pump Efficiency, Central California Winegrowers Association, Madera, CA.

Green, Bill. July 31, 2007 - SCE Municipal Pump Efficiency, CTAC, Irwindale, CA.

Green, Bill. August 16, 2007 - APEP III Ag Pump Eff., California Sustainable Winegrowers Assoc., Mendocino, CA.

Green, Bill. August 21, 2007 - SCE Muni Pump Eff.- Ventura County Regional Energy Alliance, Ventura, CA.

Green, Bill. August 22, 2007 - SCE Ag Pump Eff.- Ventura County Regional Energy Alliance, Ventura, CA.

Green, Bill. August 30, 2007 - SCE Muni Pump Eff.- Southern California Water Utilities Association, Glendora, CA.

Green, Bill. August 30, 2007 - SCE Muni Pump Eff.- General Pump Co., Glendora, CA.
Green, Bill. September 12, 2007 - Chemigation Training/ Groundwater Protection, PAPA, Parlier, CA.
Green, Bill. September 20, 2007 - APEP III Ag Pump Eff., College of the Redwoods, Eureka, CA.
Green, Bill. September 20, 2007 - APEP III Muni Pump Eff., College of the Redwoods, Eureka, CA.
Green, Bill. October 4, 2007 - APEP III Ag Pump Eff., CSUFresno, Fresno, CA.
Green, Bill. October 16, 2007 - SCE Ag & Muni Pump Eff., Victorville Water District, Victorville, CA.
Green, Bill. October 22, 2007 - SCE Muni Pump Eff., CTAC, Irwindale.
Green, Bill. October 25, 2007 - Chemigation Training/ Groundwater Protection, CSUFresno, Fresno, CA.
Green, Bill. October 30, 2007 - APEP III Ag Pump Eff., Yolo County Farm Bureau, Woodland, CA.
Green, Bill. October 31, 2007 - APEP III Muni Pump Eff., PG&E/ CSUChico, Chico, CA.
Green, Bill. November 1, 2007 - APEP III Ag Pump Eff., PG&E/ CSUChico, Chico, CA.
Green, Bill. November 5, 2007 - APEP III Irrigation Scheduling, Kings River Conservation District, Parlier, CA.
Green, Bill. November 5, 2007 - APEP III Irrigation Scheduling, Kings River Conservation District, Riverdale, CA.
Green, Bill. November 6, 2007 - APEP III Ag Pump Eff., Harris Ranch/ PG&E, Coalinga, CA.
Green, Bill. November 8, 2007 - APEP III Ag Pump Eff., California Sustainable Winegrowers Assoc., Livermore.
Green, Bill. December 6, 2007 - APEP III Muni Pump Eff., Bella Vista Water District, Redding, CA.
Green, Bill. December 11, 2007 - SCE Ag Pump Eff. (presented in Spanish), AGTAC, Tulare, CA.
Green, Bill. December 13, 2007 - APEP III Ag Pump Eff., CSUFresno/CIT, Fresno, CA.
Green, Bill. December 13, 2007 - Chemigation Training/ Groundwater Protection, CSUFresno/CIT, Fresno.
Green, Bill. January 18, 2008 - APEP III Ag Pump Eff., Northstate Electric, Chico, CA.
Green, Bill. February 12, 2008 - SCE Ag Pump Efficiency, AGTAC, Tulare, CA.
Green, Bill. February 12, 2008 - Chemigation Training/ Groundwater Protection, AGTAC, Tulare, CA.
Green, Bill. February 14, 2008 - CIT/Irrigation Association Education, World Ag Expo, Tulare, CA.
Green, Bill. February 19, 2008 - APEP III Ag Pump Eff., Central Coast Vineyard Team tailgate meetings, CCVT, Lompoc, CA.
Green, Bill. February 20, 2008 - APEP III Ag Pump Eff., Central Coast Vineyard Team tailgate meetings, CCVT, Greenfield, CA.
Green, Bill. February 21, 2008 - APEP III Ag Pump Eff., Central Coast Vineyard Team tailgate meetings, CCVT, Creston, CA.
Green, Bill. February 22, 2008 - APEP III Ag Pump Eff., CSUFresno Viticulture and Enology Research Center (VERC), San Luis Obispo, CA.
Green, Bill. February 27, 2008 - APEP III Ag Pump Eff., Central California Winegrowers, Madera, CA.
Green, Bill. March 19, 2008 - SCE Ag Pump Eff., Coastal Pipco Inc., Oxnard, CA.
Green, Bill. March 19, 2008 - APEP III Ag Pump Eff., Fresno County Farm Bureau, Fresno, CA.

Green, Bill. March 19, 2008 - Chemigation Training/ Groundwater Protection, Coastal Pipco, Oxnard, CA,
Green, Bill. March 25, 2008 - APEP III Ag Pump Eff., Chowchilla- Red Top Resource Conservation District, Chowchilla, CA.
Green, Bill. March 27, 2008 - APEP III Ag Pump Eff., Madera Farm Bureau/ PG&E, Madera, CA.
Green, Bill. April 8, 2008 - SCE Muni Pump Eff., AGTAC, Tulare, CA.
Green, Bill. April 10, 2008 - APEP III Ag Pump Eff., Modesto Junior College Irrigation Class, Modesto, CA.
Green, Bill. April 15, 2008 - APEP III Ag Pump Eff., CSUFresno Irrigation Class, Fresno, CA.
Green, Bill. April 17, 2008 - APEP III Ag Pump Eff., CSUFresno Irrigation Class, Fresno, CA.
Green, Bill. April 22, 2008 - SCE Muni Pump Eff., CTAC, Irwindale, CA.
Green, Bill. May 8, 2008 - SCE Muni Pump Eff., Southern California Water Utilities Association, Glendora, CA.
Green, Bill. May 8, 2008 - SCE Muni Pump Eff., Southern California Water Utilities Association, Glendora, CA.
Green, Bill. May 13, 2008 - APEP III Ag Pump Eff., Madera Farm Bureau Board of Directors, Madera, CA.
Green, Bill. May 14, 2008 - SCE Ag Pump Eff., California Sustainable Winegrowers, Temecula, CA.
Green, Bill. June 12, 2008 – SCE Muni Pump Eff., South Bay Cities Energy Center, Torrance, CA.
Green, Bill. June 19, 2008 - APEP III Muni Pump Eff., CIT/ CSUFresno, Fresno, CA.

Green, S. November 15, 2007 - Water monitoring Strategy for the SJV, Modesto, CA.

Gu, Sanliang

Gu, Sanliang*, Kathryn Kaigas, Mark Kaigas, Guoqiang Du, Sean Jacobs, and Robert Wample. 2008. Efficacy of ABA Application to Enhance Wine Color of Cabernet Sauvignon in a Warmer Growing Region. Annual Meeting of the American Society for Enology and Viticulture. Portland, Oregon.

Gu, Sanliang*, Sean Jacobs, Guoqiang Du, Xueqiang Guan, and Robert Wample. 2008. Efficacy of ABA Application to Enhance Fruit Color of Cabernet Sauvignon Grape in a Warmer Growing Region. Annual Meeting of American Society for Enology and Viticulture. Portland, Oregon.

Herzig, L.A.

Herzig, Lisa (2007-2008) Channel 24, Central Valley Today – Nutrition and pregnancy.

Herzig, Lisa (2007-2008) Channel 24, Central Valley Today – The Freshmen 15.

Herzig, Lisa (2007-2008) Channel 24, Central Valley Today – The effects of additional weight (included dramatization of a dietetic student wearing a fat suit for a day).

Herzig, Lisa (2007-2008) Channel 24, Central Valley Today – The 20 worst foods to eat.

Herzig, Lisa (2007-2008) Channel 24, Central Valley Today – General healthy eating habits for any American.

Herzig, Lisa (2007-2008) Channel 24, Central Valley Today – Avoiding obesity.

Heupel, Ken

Agricultural Mechanics Workshop on Teaching Agriculture Mechanics at the High School Level. Presented at California Agriculture Teachers Association Conference 2007.

Hood, S. & Davis, L. (2007). Clothes to Costumes: The Art of Distressing. International Textile and Apparel Association Conference, November 6-10, 2007, Los Angeles, CA

Jones, M., Zepeda, M, Hurlbut, N, Siedman, S, & Dahl, R. (2008, April). Transforming Preparation of California's ECE Professionals: Making the Pieces Fit. California Association for the Education of Young Children State Conference, Long Beach, California.

Konduru, S. "Biosafety Protocol and Its Impact on International Agricultural Trade". CSU, Fresno, CAST Spring Seminar series. April 2008.

Krauter, Charles

Krauter, Charles F., S. Ashkan, M. Beene, W. Salas, C. Liu and D. Blake. Measurement of Greenhouse Gas Emissions from Dairy Farms in California. Presented at the California Air Resources Board Greenhouse Gas Conference. Sacramento, CA. September, 2007.

Krauter, Charles F., S. Ashkan and M. Beene. AFO's and Methanol: Ethanol/Methanol Field Research at Fresno State. Presented at the USDA/EPA Agricultural Air Quality Task Force Meeting. Indianapolis, IN. October, 2007

Krauter, Charles F. and S. Ashkan. Air Sampling Methodology: Evaluating flux chamber and gas analysis tools to measure emissions from compost piles, bio-filters and raw materials. Preliminary results from a study of an active composting system on dairy solids in the Central Valley of California. Presented at the 27th annual BioCycle Conference. San Diego, CA. April, 2008

Krauter, Charles F., S. Ashkan and M. Beene. Lagoon Air Quality Measurements. Presented at the Eastern Stanislaus Resource Conservation District and the California Dairy Campaign Conference on Photosynthetic Dairy Lagoons. Modesto, CA. April, 2008

Krauter, Charles F., S. Ashkan, M. Beene, W. Salas, C. Liu and D. Blake. Measurement of Greenhouse Gas Emissions from Dairy Farms in California. Presented at the California Air Resources Board Greenhouse Gas Conference. September, 2007. Sacramento, CA.

Krauter, Charles F., S. Ashkan and M. Beene. AFO's and Methanol: Ethanol/Methanol Field Research at Fresno State. Presented at the USDA/EPA Agricultural Air Quality Task Force Meeting. October, 2007. Indianapolis, IN.

Krauter, Charles F. and S. Ashkan. Air Sampling Methodology: Evaluating flux chamber and gas analysis tools to measure emissions from compost piles, bio-filters and raw materials. Preliminary results from a study of an active composting system on dairy solids in the Central Valley of California. Presented at the 27th annual BioCycle Conference. April, 2008. San Diego, CA.

Krauter, Charles F., S. Ashkan and M. Beene. Lagoon Air Quality Measurements. Presented at the Eastern Stanislaus Resource Conservation District and the California Dairy Campaign Conference on Photosynthetic Dairy Lagoons. April, 2008. Modesto, CA.

Lawson, Andrew

30 min talk. "Education of PCAs at Fresno State" Association of Applied IPM Ecologists Annual Meeting, Embassy Suites, San Louis Obispo, CA. 5 February, 2008.

Mahalik, N.P.

Nick Simonian, Don Austin, Balaji Seth, **N P Mahalik**, and Matthew Yen, Unmanned Aerial Vehicle for Precision Agriculture, American Society of Agricultural and Biological Engineers, CA/NV Chapter, World Ag Expo, Feb. 12-14, Tulare, CA.

N. P. Mahalik, Distributed Control System Technology and Tools, College of Agricultural Science and Technology Seminar, VERC Conference Hall, Nov. 2, 2007, 12:00 Noon.

N. P. Mahalik, Survey on Food Processing and Packaging Technology, Mini Symposium on Industrial Technology Links, sponsored by Advance Technology Enterprises, California State University, Fresno, March 13, ED 172 and ED 181, 1:00 pm to 6 pm.

Robert Michalk (Mentor: N. P. Mahalik), Designing and Building the Ultimate World-class Packaging Automation Laboratory, accepted for presentation in the 29th Annual Central California Research Symposium, April 16, 2008

Sean Michael Alsop, John Wesley Anderson, Kevin Paul Bell, Satnam Singh, Nicholas Jeffrey Wong, Robert Michalk (Mentor: N. P. Mahalik), A new approach to facilitating system integration: Case study through the development of a food processing and packaging automation laboratory, accepted for presentation in the 29th Annual Central California Research Symposium, April 16, 2008

Mason, B.

Mason, B. "CSUF's Farm Workers Motor Vehicle Safe Driving Education Program". AgSafe Annual Conference. February 2007.

Mason, B. "AGJobs and California Agriculture". Fresno Chamber of Commerce, Government Relations Committee: Fresno, CA. September 2007.

Mason, B. "Immigration and California's Farm Labor Market". San Joaquin Valley Agricultural Lenders Association: Fresno, CA. September 2007.

Mochizuki, Maren, Oleg Daugovis, Shawn Ashkan. Does CO2 Application Enhance Commercial Raspberry Production? 2008 Annual Caneberry Meeting, February 19, 2008. University of California Cooperative Extension 1432 Freedom Blvd., Watsonville, CA, 95076.

Naffziger, Kimberly Ventura, CA - Presenting at the Rail Corridor Safety Conference. 05/12/08

Paggi, Mechel

Paggi, M. China, PRC - Present/attend ITRAC and WERA 101 meetings in Beijing and Shanghai. 07/06/07

Paggi, M. Portland, OR - Present/attend the annual AAEEA meeting. 07/28/07

Paggi, M. Monterey, CA - Present at the 2nd Annual CA Ag Trade Roundtable Summit. 09/04/07

Paggi, M. Lubbock, TX - Present/attend the World Cotton Research Conference. 09/10/07

Paggi, M. Sonoma, CA - Present at the Cal-Med Sonoma re: Market Resources in the Mediterranean. 10/24/07

Paggi, M. Fresno, CA - Present at the 26th Annual Ag Business Management Conference. 11/07/07

Paggi, M. Washington, DC - Present at the "Domestic and Trade Impacts of US Farm Policy" Symposium. 11/14/07

Paggi, M. Seaside, CA - Attend the 51st Annual Pacific Coast/Nat'l Bargaining Council Meeting. 11/26/07

Paggi, M. Pasco, WA - Present at the 2007 Annual Conf on Economic Issues. 12/05/07

Paggi, M. Sacramento, CA - Present at the 2008 Unified Wine Grape Symposium. 01/28/08

Paggi, M. Dallas, TX - Present at the SAEA Annual Meeting. 02/02/08

Paggi, M. Tulare, CA - Present at the World Ag Expo. 02/12/08

Paggi, M. Ottawa, Ontario - Present at the Food Security Annual General Meeting. 03/05/08

Paggi, M. Coalinga, CA - Present at the Cotton Price Risk Management Pricing Strategies Seminar. 03/25/08

Paggi, M. Coalinga, CA - Present at the Ag Leadership Program Meeting. 03/28/08
Paggi, M. Selma, CA - Present at the California Association of Wine Grape Growers meeting. 4/11/08
Paggi, M. Austin, TX - Present at the 5th Annual North American AgrifoodMarket Integration Consortium. 05/21/08
Workshop
Paggi, M. Rome, Italy - To present at the CAL-MED consortium. 06/12/08

Ramos, K.D. & Youngclarke, D.M. (2007, June) Sensitive Parental Response to Sleep Signals in Infancy. Paper presentation at Sleep 2007: The 21st Annual Meeting of the Associated Professional Sleep Societies. Minneapolis, Minnesota.

Reddy N.

Reddy N., Dave Goorahoo and Diganta Adhikari November 2007. Assessing Nitrogen Rates for Organic Bell Pepper Production Subjected to Airjection® Irrigation. Poster presentation at ASA Annual Meetings New Orleans LA.

Reddy N., Dave Goorahoo and Diganta Adhikari February 2008. Interaction of Nitrogen Rates and Air Injection on Organic Broccoli Production. Poster presentation at ASA-CA Chapter Meetings Visalia CA.

Roberts, Bruce

Roberts, B. 2008, Cotton: The Fabric of Our Valley. Invited presentation to The Osher Lifelong Learning Institute, CSU Fresno, April 24, 2008.

Roberts, B. Variable Rate Defoliation of Cotton. Cotton Incorporated State Support Committee Meeting, March 13, 2008, Tulare, CA.

Roberts, B. Row and vegetable crops grown in the San Joaquin Valley. International Farmers Aid Association 2007 Summer Short Course, CSU Fresno, August 2007
Opening Remarks for Extension and Technology Transfer Jury Session, World Cotton Research Conference, Lubbock, TX, September 2007.

Rocca, S. J. (May 2008). *Bridging the Ag Literacy Gap*. Poster presentation at the 35th annual National Agricultural Education Research Conference, Reno, NV.

Sebasto, T., J. Oliphant, and D. Zoldoske. October 30, 2007 - California Water TV series by Huell Howser, Fresno, CA.

Sethuramasamyraja, Balaji

Sivakumar Sachidhanantham (Co-author) presented "Geo-spatial wine grape quality modeling and differential harvesting for Precision Viticulture" at 2007 Environmental Systems Research Institute International User Conference, San Diego, California. 2007.

Matthew Yen (Co-author) presented "GIS in technology curriculum" presented 2007 Environmental Systems Research Institute International User Conference, San Diego, California. 2007.

Balaji Sethuramasamyraja presented "Precision Agriculture Research Update: Fresno state" during Precision Agriculture Workgroup Meeting and Ag Geospatial Technologies Mini Conference, Davis, California. 2007.

Balaji Sethuramasamyraja presented "Interpolation of wine grape quality indicators (Anthocyanin and Brix) and development of differential harvest attachment" at the American Society of Agricultural and Biological Engineers Annual International Meeting, Minneapolis, Minnesota. 2007.

Balaji Sethuramasamyraja presented a keynote speech “Geospatial Technologies and Precision Agriculture in California” at the American Society of Ag and Biological Engineers CA/NV Section Meeting, Tulare, California. 2008.

Nick Simonian (Co-author) presented research poster “Unmanned Aerial Vehicle For Precision Agriculture” at the American Society of Ag and Biological Engineers CA/NV Section Meeting, Tulare, California & 29th Annual Central California Research Symposium, Fresno, California. 2008.

Digantha Adhikari (Co-author) presented research poster “Feasibility of a Micro Drip SCADA System to Mitigate Crop Freeze Damage” at the American Society of Ag and Biological Engineers CA/NV Section Meeting, Tulare, California. 2008.

Harvinder Singh (Co-author) presented research poster “Geospatial Wine Grape Quality Modeling for Optimum Sampling Sites Estimation – Preliminary Study” at the American Society of Ag and Biological Engineers CA/NV Section Meeting, Tulare, California. 2008.

Harvinder Singh (Co-author) presented research presentation “Geospatial Wine Grape Quality Modeling for Optimum Sampling Sites Estimation” at the California Geographic Information Systems (CalGIS) 14th Annual Conference. 2008.

Balaji Sethuramasamyraja presented research poster “Geo-statistical Analysis of Student Performance in Assigned Seating” at the California Geographic Information Systems (CalGIS) 14th Annual Conference. 2008.

Tenbergen, K.G.

Tenbergen, Klaus (2007) *Decoration with Chocolate* Educational program for ACF Chef's Association of San Joaquin Valley July 2007.

Tenbergen, Klaus (2007) Visalia Home EXPO – Headliner for the *Celebrity Pastry Chef Demonstration*.

Tenbergen, Klaus (2007) KMPH Fox 26 *Cooking live in Studio B* with Great Day anchor, Kim Stephens and Kopi, August, 2007

Tenbergen, Klaus (2007) Craig School of Business – Career Connections Day on *International Dining Etiquette*, September 2007.

Tenbergen, Klaus (2007) *Baking Ideas Using Healthy Almonds*, American Retail Bakery Exposition presented by Retail Bakers of America RBA, Las Vegas, Nevada, September 9, 2007.

Tenbergen, Klaus (2007) [*Baking Myth Busters through the Discipline of Culinology®*](#), American Retail Bakery Exposition presented by Retail Bakers of America RBA, Las Vegas, Nevada, September 9, 2007.

Tenbergen, Klaus (2007) [*Culinology®*](#) Career Day, Mt. Whitney High School, September 25, 2007.

Tenbergen, Klaus (2007) *Food Trends 2008* Dietetics Association, November 8, 2007

Tenbergen, Klaus (2007) ABC-30 *Fat Replacement Without Losing Flavor*, with Christine Park on November 12, 2007

Tenbergen, Klaus (2007) *Explore the Principles of Health Cooking*, Wellness@Work Fresno State November 13, 2007.

Tenbergen, Klaus (2007) *Entrepreneurship in Food Service*, Craig School of Business Entrepreneurship 81, November 14, 2007

Tenbergen, Klaus (2007) *The Influence of Food Service in Special Events*, Recreation Administration & Leisure Studies RL 117 Special Event Planning, November 15, 2007

Tenbergen, Klaus (2007) CBS 47 *The cost of Thanksgiving*, November 15, 2007

Tenbergen, Klaus (2007) *How to Design a Food Service Facility*, Industrial Technology 115 Design and Documentation Systems, November 19, 2007

Tenbergen, Klaus (2007) *A Tour of South Africa*, International Coffee Hour, Exploring Global Diversity Fresno State, December 4, 2007.

Tenbergen, Klaus (2008) *Bringing Entrepreneurship to the Far Reaches of Campus*, Pedagogy Workshop USASBE 2008 Conference, San Antonio, TX.

Tenbergen, Klaus (2008) KMPH Fox 26 *Cooking live in Studio B* with Great Day anchor, Kim Stephens and Kopi, January 8, 2008.

Tenbergen, Klaus (2008) *What to wear*, Dr. Lizhu Y. Davis Fashion Merchandising Class in the Department of Child, Family and Consumer Sciences, Fresno State, January 28, 2008.

Tenbergen, Klaus (2008) *Immigration to the USA*, CFS 134 – *Multicultural Perspectives on Children and Families* Dr. Katie Dyer (Ramos) Department of Child, Family and Consumer Sciences, Fresno State, February 13, 2008.

Tenbergen, Klaus (2008) *A world in one country – South Africa at a glance*, Rotary Club of Clovis, February 15, 2008.

Tenbergen, Klaus (2008) *Students as team player, using the Mystery basket concept*, Institute of Technology, Clovis ACF Chapter February 18, 2008.

Tenbergen, Klaus (2008) *Germany at a glance*, Edison High School, Fresno CA, February 27, 2008.

Tenbergen, Klaus (2008) *Top 10 Food Trends for 2008*, Fresno City College Science Club, February 29, 2008.

Tenbergen, Klaus (2008) *Culinology® and Career Services*, presentation to counselors to raise awareness of the Culinology program and developing new programs and services to address the needs of students". March 10, 2008.

Tenbergen, Klaus (2008) *Culinology® and Home Economics*, Food Science and Nutrition Workshop, Home Economics Careers and Technology Education programs in California, Los Angeles, March 12, 2008.

Tenbergen, Klaus (2008) *Sweet Deals: Investigating Healthful and Profitable Bakery Products*, Healthy Baking Seminar, Anaheim, CA March 13, 2008.

Tenbergen, Klaus (2008) *Display and Show pieces*, Institute of Technology March 17, 2008

Tenbergen, Klaus (2008) *Black Oak Casino*, Tuolumne, CA, March 20, 2008

Tischer, J. February 8, 2008. Water Plan Update to the Partnership Board, Fresno, CA.

Wample, Robert

R.L.Wample. Use of near infrared (NIR) and fourier transformed infrared (FTIR) spectrometry for analysis of winegrapes to develop quality maps to facilitate differential harvest. 2008. University of Viterbo, Pisa, Italy.

R.L.Wample. Relationships between soil characteristics and wine grape yield and quality. 2008. University of Bologna, Bologna, Italy.

R.L.Wample. Wine grape water relations: alternative approaches to monitoring and management. 2008. University of Milan, Milan Italy.

C. McDonnell1, , P.R. Dry, R.L. Wample, S. Bastian The effect of crop load and extended ripening on wine quality and vine balance in Cabernet Sauvignon. Australian Viticulture and Enology Technology Conference, 2007.

S. Sachidhanantham, B. Sethuramasamyraja, M. Yen and R. Wample. 2007. Geo-spatial modeling of wine grape quality using ESRI Arc GIS 9. 2007_ESRI_Intl User Conference-UC1520

Sachidhanantham, S. *, B. Sethuramasamyraja, M. Yen and R.Wample. 2007. Interpolation of wine grape quality indicators (Anthocyanin and Brix) and development of differential harvest attachment. American Society of Agricultural and Biological Engineers.

West, J. & Davis, L. (2008). Elderly Fashion. Hawaii International Conference on Social Sciences, May 29-June 1, 2008

Wood, K.

Wood, K. July 26, 2007. Supervisors, Assembly, Water District, others, dinner (in conjunction with Delta Vision Workshop), Fresno, CA.

Wood, K. and J. Tischer. August 10, 2007. California Partnership for the San Joaquin Valley Board meeting, Hanford, CA

Wood, K. and J. Tischer. August 15, 2007. Stanislaus County Water Discussion, Modesto, CA.

Wood, K. August 23, 2007. Flood and Levee forum with Congressman Cardoza, Stockton, CA.

Wood, K. and J. Tischer. September 11, 2007. US Fish and Wildlife Service, Sacramento, CA.

Wood, K. and S. Green. September 12, 2007. Fresno COG, Blueprint Roundtable, Fresno, CA.

Wood, K. and J. Tischer. September 19, 2007. Ahwahnee Water Principles, Visalia, CA.

Wood, K. September 26, 2007. Statewide Blueprint Learning Network, Fresno, CA.

Wood, K. and J. Tischer. October 2, 2007. Dept of Water Resources, Sacramento, CA.

Wood, K. October 4, 2007. Cal Partnership for the San Joaquin Valley Summit, Visalia, CA.

Wood, K. October 24, 2007. Water 101 and SJV Water Plan, Legislative Briefing, UC Merced, Merced, CA.

Wood, K. November 6, 2007. Poso Creek IRWMP meeting, Wasco, CA.

Wood, K. and S. Green. December 3, 2007. Blueprint (BRAC) UC Merced, Merced, CA.

Wood, K. and S. Green. December 10, 2007. Water 101 Fresno Farm Bureau, Fresno, CA.

Wood, K. and S. Green. February 4, 2008. Downtown Club meeting and Status with Congressman Costa and water leaders.

Wood, K. and S. Green. February 7, 2008. Policy Advisory Group, SJV Water Plan, Fresno State, Fresno, CA.

Wood, K. and S. Green. February 19, 2008. Downtown Club meeting and status with Congressman Costa and Valley Water Leaders.

Wood, K. February 27, 2008. San Joaquin County Groundwater Banking Authority Technical Committee, Stockton, CA.

Wood, K. and S. Green. March 27, 2008. Association of Metropolitan Water Agencies, Clovis, CA.

Wood, K. and S. Green. April 14, 2008. League of Women Voters, Visalia, CA.

Wood, K. April 17, 2008. San Joaquin Valley Regional Association of Counties, Modesto, CA.

Wood, K. April 28, 2007. Water Summit, US Fish and Wildlife Service, Sacramento, CA.

Yen, Matthew

Interviewed by KMJ Radio Station for Processing & Packaging program on October 18, 2007

Presentation at MESA Weekend Academy

Recruitment presentation at Fresno City College

Submitted an presentation abstract Powering New California with CTE to the International Business and Information Conference

Zoldoske, D.F.

Zoldoske, D.F. October 19, 2007. Keys to Developing a Water Research Center, Indian Hills Community College, Marin, CA.

Zoldoske, D.F. October 30, 2007. Overview of Fresno State Water Research Programs, North Fresno Exchange Club, Fresno, CA.

November 27 – 29, 2007 – AWCA Exhibitors, Indian Wells

Zoldoske, D.F. December 6, 2007. Sprinkler Systems Used for Frost Protection, Understanding and Preventing Freeze Damage in Vineyards workshop, Columbia, MO.

Zoldoske, D.F. December 11, 2007. Update on Smart Water Applied Technologies, Irrigation Association EXPO, San Diego, CA.

Zoldoske, D.F. December 31, 2007. An Overview of Smart Water Applied Technologies, The Intelligent Use of Water Summit VII, Pasadena, CA.

Zoldoske, D.F. February 2, 2008. Moving Water/Saving Energy: How New Technologies and Improved Efficiencies Can Make a Difference, California Irrigation Institute annual conference, Sacramento, CA.

Zoldoske, D.F. March 27, 2008. Update on Fresno State Water Research programs, North Fresno Club meeting, Fresno, CA.

Zoldoske, D.F. April 14, 2008. Update on the Water/Energy Technology Incubator at Fresno State. The Rotary Club of Fresno, Fresno, CA.

CAST Grants 2007-2008

Alexandrou, Athanasios

A. Alexandrou, J. Bushoven. Monitoring emissions from landscape maintenance operations in the San Joaquin Valley. 2008. A project was funded by the College of Agricultural and Sciences and Technologies of California State University-Fresno to monitor the emissions from ground operations (\$25,000).

A. Alexandrou and C. Krauter participate in a study (subcontracted to CSU Fresno), which investigates the feasibility of misting as a Viable Conservation Management Practice for Reducing PM10 Generated by a Vineyard Disk. The state NRCS Conservation Innovation grant funds this one year project with \$55,255 (commenced in April 2008).

A. Alexandrou and C. Krauter participate in a study (subcontracted to CSU Fresno), which investigates the feasibility of misting as a Viable Conservation Management Practice for Reducing PM10 Generated by a Field Disk. The National NRCS Conservation Innovation grant funds this three year project with \$153,175 (commenced in April 2008).

Alexandrou, C. Krauter, L. Williams, S. Konduru and P. Berends. Off-Road Agricultural Equipment Inventory and Survey. The research team will develop a current, representative inventory of agricultural equipment that will enable the California Air Resources Board (ARB) to more accurately estimate emissions data. California Air Research Board, April 22, 2008. \$175,000.

Dr. C. Krauter and Dr. A. **Alexandrou** participate in a project which will measure particulate matter emitted during raisin harvesting. The project is funded by farmers' associations and the Air District and will commence in June 2008. (\$100,000).

Heejung Jung and A. **Alexandrou**. A pre-proposal was submitted California Air Resource Board (CARB), titled: 'In use emissions measurement of agricultural equipments during field operations using both PEMS (Portable Emission Measurement System) and gravimetric method' (\$170,000). In progress.

A. Alexandrou and Heejung Jung. A similar pre-proposal was submitted to ARI (under systems proposal). It is titled 'Emissions measurement from agricultural equipment during field operations'. (December 2008, \$255,000).

Benes, Sharon

Sharon E. Benes¹, Sergio O. Juchem², Peter H. Robinson², Stephen R. Grattan³, and Girma Getachew⁴. Investigation of Selenium Depletion in Cattle Previously Fed Forages Containing Toxic Levels of Selenium. CA Department of Water Resources, Proposition 204, Ag Drainage Program. Supplemental funding to existing two-year project (\$35, 290). Awarded.

Benes, S., Williams, L., and K. Fugelsang. "Viticultural and Enological Performance of Cabernet Sauvignon and Merlot Grapevines (*Vitis vinifera* L) in Response to Rootstock Selection in the Paso Robles American Viticultural Area" Submitted to the American Vineyard Foundation. (\$61,340 over 2 yrs.). NOT FUNDED.

Bezerra, Joe A.

California Agricultural Technology Institute (CATI)	\$ 1,022,916
California State University Agricultural Research Initiative (ARI)	
FY2007-08 State General Funding	4,000,000
California State University Agricultural Research Initiative (ARI)	
FY2008 Federal Funding Earmark	690,580
"Buy California" Specialty Crop Grant Amendment #3	520,493
"Buy California" Specialty Crop Grant Amendment #4	457,000

Food Processing By-Product Land Application	120,000
CIMIS Information Publication	<u>20,004</u>
Total Awarded Grants & Contracts	<u>\$ 6,830,993</u>

Bushoven, John

Establishment of a Multi-Use Turfgrass Research Site at California State University, Fresno (2007) \$24,978.00 **J. T. Bushoven**, M. Cline, D. Goorahoo, J. Farrar, D. Zoldoske, R. Blanchard, California State University Agricultural Research Initiative.

Development of Best Nitrogen Management Practices for Sustainable Turf in the San Joaquin Valley, (2007) \$5000.00, **J. T. Bushoven**, California State University-Fresno, Research and Scholarly Activities Award.

Monitoring Emissions from Landscape Maintenance Operations in the San Joaquin Valley (2008) \$25,000, A. Alexandrou, **J.T. Bushoven**, R. McCaughey, California State University Agricultural Research Initiative.

Sustainable Agroecosystem and Resource Management Project Initiative (In Review) \$24,000, S. Pasakdee, G. Srinivasan, D. Goorahoo, **J. T. Bushoven**, T. Einhorn, J. Farrar, S. Gu, B.D. Hanson California State University Agricultural Research Initiative- Seed Grant.

Sustainable Agroecosystem and Efficient Resource Management (SAERM) Research and Education Program (In Review) \$250,000, S. Pasakdee, G. Srinivasan, D. Goorahoo, **J.T. Bushoven**, K. Tenbergen, T. Einhorn, J. Farrar, S. Gu, U.S. Department of Agriculture Hispanic-Serving Institutions Education Grants Program.

Choudhury, G.S.

Bañuelos, G. & **Choudhury, G.S.** (2007). Development of alternative value-added products from cactus (Opuntia) grown as a new fruit/forage crop for selenium laden waters and drainage-impacted soils in the Westside of Central California. (Vol. \$209,600, *Pending*). California State University – Agricultural Research Initiative.

Choudhury, G.S. (2007). Biofuel From Fruit Processing Wastewater (Vol. \$87,000, *Pending*). California State University – Agricultural Research Initiative and Dr. Calderon-Urrea's NIH-MBRS-RISE Grant.

Choudhury, G.S. (2008). Eco-friendly Lye Peeling Technology (Vol. \$205,237, *Pending*). California League of Food Processors.

Choudhury, G.S. (2007). Extrusion Technology to Maximize Tree Nut and Fruit Utilization (Vol. \$307,990.54). California State University – Agricultural Research Initiative, CDFA/Specialty Crops Grant; Wawona Frozen Foods; Meridian Nut Growers; Center for Food Science and Nutrition Research; Clextrol, Inc.; Handtmann, Inc.

Choudhury, G.S. (2007). Extrusion Technology to Maximize Fruit Processing Co-Product Utilization (Vol. \$75,000, *Pending*). California State University – Agricultural Research Initiative and Wawona Frozen Foods.

Choudhury, G.S. (2007). Innovative Approaches to Solid By-Product/Waste Utilization in Fruit Processing Plants (Vol. \$93,350, *Submitted by Not Funded*). California State University – Agricultural Research Initiative, CDFA/Specialty Crops Grant.

Choudhury, G.S. (2007). Low BOD/COD Dip Solution for IQF Peach Slice Manufacturing (Vol. \$29,350, *Submitted but Not Funded*). California State University – Agricultural Research Initiative, CDFA/Specialty Crops Grant.

Choudhury, G.S. (2007). Value Added Products from Pistachio (Vol. \$75,257, *Pending*). California State University – Agricultural Research Initiative and Meridian Nut Growers.

Choudhury, G.S. (2007). Wastewater Load Reduction by Process Alteration (Vol. \$75,505, *Pending*). California State University – Agricultural Research Initiative and Wawona Frozen Foods.

Choudhury, G. S., & Biswas, A. (2007). Nanotechnological Approaches to Waste Water

Treatment (Vol. \$25,000). California State University, Fresno: Provost's Research Activity Award, California State University, Fresno and College of Agricultural Sciences and Technology, California State University, Fresno. *Awarded, but not allowed to use.*

Choudhury, G.S. & Farrar, J. (2008). Co-Production of Mushroom and Quality Compost from Tomato Processing By-Products (Vol. \$97,512.92, *Submitted but Not Funded*). California League of Food Processors.

Choudhury, G.S. & Farrar, J. (2007). Co-Production of Mushroom and Quality Compost from Tree Nut Processing By-Products (Vol. \$46,138, *Pending*). California State University – Agricultural Research Initiative and Meridian Nut Growers.

Deng, X.

Deng, X. "Micro-level Farm Labor Hiring and Other Operating Strategies for Organic Vegetable and Fruit Producers in San Joaquin Valley, California." Funded by CAST seeding Grant. 2007-2009. \$25,000. Transferred to Mr. Srinivasa Konduru due to employment termination.

Deng, X. "Organic Farming Micro-level Optimal Operating Strategies: Economic Viability Analysis on Organic Farming under Changing Farm Labor Market Conditions in California." California State University Agricultural Research Initiative (ARI) California Agricultural Technology Institute (CATI). 2007-2008. \$63,732. Approved but withdrawn due to employment termination.

Einhorn, Todd

November 2007. California Citrus Research Board. Application of Partial Root zone Drying to Mature Citrus Orchards: A Deficit Irrigation Strategy to Save Water and Manage Phytophthora Root Rot, (PI) **Todd Einhorn**, (CI) Jim Farrar, 2007, \$91,175 over 3 years, Awarded.

Farrar, Jim

Farrar, J.J. Control of cavity spot in a disease nursery, California Fresh Market Carrot Advisory Board, January 21, 2008, \$24,372 (funded)

Lawson, A.B., **Farrar, J.J.**, Goorahoo, D., and Gu, S. Investigation of the effects of Thermal Pest Control technology on common insect and fungal diseases and yield/quality parameters in California grapes, tomatoes, and lettuce. Propane Research and Education Council, November 21, 2007, \$143,000 (funded)

Choudhury, G. and **Farrar, J.J.** Adding value to food processing by-products/waste: Production of gourmet mushrooms and quality compost. California Department of Food and Agriculture, May 16, 2007, \$97,000 (funded)

Goorahoo, Dave

Provost Research Activity Award (RAA). Investigating Unstable Flow in Soils and Its Impact on Groundwater Contamination. \$25,000 (2008-09). Z. Wang, **D. Goorahoo** and M. Xiao

Agricultural Research Initiative – CSU. Use of Elephant Grass as a Bio-filter for Fields Irrigated with Dairy Effluent and Processing Wastewater. \$105,000 (2007-2010). **D.**

Goorahoo, F. Cassel S. and D. Adhikari.

Dutch Brothers Enterprises, LLC. Evaluating soil health improvements and water savings using UNLO₂K. \$23,085 (2007-2008). F. Cassel S., **D. Goorahoo**, and D. Zoldoske.

Agricultural Research Initiative – CSU. Reclamation of saline-sodic soils for tomato production using calcium fertigation and acidification. \$90,000 (2007-2009). F. Cassel S. and **D. Goorahoo**.

Gu, Sanliang

Gu, S. and R. Wample. Application of Abscisic Acid (ABA) to Enhance Color Development and Extractability in Red Winegrapes. California State University-Agricultural Research Initiative. \$151,000. 2007-2010.

Jones, M.

Jones, M. Child Development Consultation Project, \$175,000 from Fresno County First 5. Multi-year project to integrate the Hanna Perkins Consultation model into the Fresno State CFCS Child Development laboratory and the fieldwork component of the BS Child Development Practitioner Option (funded for 2008-2010).

Jones, M. Curriculum Development Project, \$15, 000 from Fresno County LEADS. Funds the development of a 3-course specialization in the MS Child and Family Sciences in Child Development Consultation. This is a collaborative project with Dr. Tom Barrett, Chair, Psychoanalytic Child Development Department, Case Western Reserve University and the Hanna Perkins Center in Ohio.

Jones, M. Research Activity Award. Funding from the Provost's Office to conduct research leading to the preparation of a proposal for major external support for the Center for Child and Family Development (summer 2008).

Lawson, Andrew

Aug 2007. University of California Integrated Pest Management Exotic Pests and Disease Research Program. Proposal title: "Biological Control of the Asian Woolly Hackberry Aphid (*Shivaphis celti*) in California." **A. B. Lawson** principal investigator, Kent M Daane, cooperater. Budget \$104,813 over 2 years. Awarded year two of two.

Oct 2007. CSU Agricultural Research Initiative. Campus Proposal. Title: "Importance of *Bracon cushmani* in the Suppression of Obliquebanded Leafroller (*Choristoneura rosaceana*)" **A. B. Lawson** principal investigator, Kent M Daane co principal investigator, Budget \$152,823 over 3 years. Awarded year two of three.

Nov 2007. Propane Education and Research Council Grants Program. Proposal Title: "Investigation of the effects of Thermal Pest Control technology on common insect and fungal diseases and yield/quality parameters in California grapes, tomatoes and lettuce." **A. B. Lawson** principal investigator. J Farrar, S Gu, D Goorahoo co principal investigators. Budget \$143,000 for one year. Awarded.

March 2008. U.S. Environmental Protection Agency, Region 9 Strategic Agricultural Initiative/Food Quality Protection Act Grant Program. Proposal title: "Demonstration of the Stinger for steam weed control in almonds and grapes" **A. B. Lawson** principal investigator. Budget \$80,442 over 2 years. In review.

April 2008. Department of Pesticide Regulation, Pest Management Alliance Grant Program. Proposal title: "Development and Implementation of an IPM Strategy for the City of Fresno and California State University, Fresno" **A. B. Lawson** principal investigator. Budget \$263,412 over 3 years. In review.

Mahalik, N.P.

N. P. Mahalik received seed grant proposal on "Retrofitting field bus technology for processing industry", \$ 25,000 funded by ARI/CATI, 2007 (Duration: 2 years)

N. P. Mahalik, seed grant project on "A feasibility study and prototype design on peach/orange harvesting robot", \$ 25,000, funded ARI/CATI, 2008 (10 months)

N. P. Mahalik received equipment grants proposal for laboratory development, \$20,000 funded by the CAST and Dept. of Industrial Technology

N. P. Mahalik submitted for the award of i) Research Activity Award \$9,493 (RAA), ii) Research, Scholarship & Creative Activity \$5,000 (RSCA), iii) Graduate Enhancement Award \$12,500

N. P. Mahalik, submitted a proposal to the Institutional Research, Assessment and Planning: Awareness on copyright issues amongst the graduate students, \$7,500, not funded, 2007

Mason, B.

Mason, B. "Air Cargo Backhaul Analysis: Opportunities for California Agriculture" California Department of Food and Agriculture/U.S. Department of Agriculture. \$46,000.

Naffziger, K. and **B. Mason**. "Farm Workers Motor Vehicle Safe Driving Education Program." Occupational and Safety Health Administration, U.S. Department of Labor. \$250,000.

Naffziger, K.A. "Farm Worker Motor Vehicle Safety Education Project", Kimberly A. Naffziger, Bert Mason. \$255,946, Federal OSHA – Susan Harwood Training Grant, September 2007

Paggi, Mechel S.

"Off Road Agricultural Equipment Survey", Jay Noel and **Mechel S. Paggi**, California Air Resources Board, \$200,000, FY 2007-08 through 2008-09, in review, April 2008.

"The Economic Competitiveness of Processed Tomato Production: A Representative Farm Model Approach", **Mechel S. Paggi**, Fumiko Yamazaki and Jay Noel, \$22,000, California Processed Tomato Growers Association, FY 2007-08, in review, April, 2008.

"Representative Farm Models for Policy and Market Analysis for California Specialty Crop: Alternative Air Quality Regulation Implications for Citrus and Table Grape Producers"

Mechel S. Paggi, Fumiko Yamazaki and Jay Noel. \$40,000. California Department of Food and Agriculture, FY 2007-08.

"A Survey Approach to Estimating the Cost of Producing Cotton in China", Phase IV. **Paggi, Mechel S.** Fangbin Qiao and Fumiko Yamazaki, \$10,000, Cotton Inc. 2007 – 08.

Roberts, Bruce

Proposal submission to California Department of Agriculture, Fertilizer Research and Education Program, Titled: Evaluation of Humic Acid Supplements on Soil Nutrient Uptake. March 2008. PI, **B. A. Roberts**, cooperator D. Goorahoo. (Decision pending)

Developing Best Management Practices for Recycling Composted Biowaste in an Agronomic Cropping System. CAST Seed Grant Proposal, 2007. \$25,000 (Second year) Spatially Applied Variable Rate Defoliation on Cotton: California. Cotton Incorporated Core Project. Cooperative project with Texas Tech. University and Univ. of Louisiana. \$15,000. 2005, 2006 and 2007.

Radiation Use Efficiency in Cotton. Collaborative project with University of Arkansas, Univ. of Thessalia, Greece and CSIRO, Narrabri, Australia. 2007.

Rocca, S. J. (2005–2008). Project Director. *Bridging the Gap 2008*. United States Department of Agriculture, Hispanic Serving Institutions Education Grant. \$328,000.

Thornton, R.J. (2007-08). Quantification of Microbial Rot in Wine Grapes, AVF, CCGPRVE. \$251,529.

Wample, Robert

Wample, R. L. (2006-07). Application of near-infra-red spectroscopy to commercial vineyards to..., ARI. \$38,100.

Wample, R. L. (2007-08). Digital Image Library, The John and Bertha Garabedian Foundation. \$5,000.00

Wample, R. L. (2007-08). Application of near-infra-red spectroscopy to commercial vineyards to..., AVF, CCGP. \$22,196.00

Wample, R. L. (2007-08). Cooperative Research Proposal: Constellation Brands U.S. and CSUF, Constellation Brands U.S. \$30,125.00.

Wample, R. L. (2007-08). Grapevine Nutrition Management in the Lodi-Woodbridge Region of CA, Lodi-Woodbridge Winegrape Commission. \$39,997.00

Wample, R. L. (2007-08). Influence of two types of phosphorous fertilizer treatment on Syrah grape and wine quality, Actagro. \$7,349.00

Wample, R. L. (2007-08). Evaluation of a Low-cost field portable NIR probe ...for analysis and differential harvesting of wine grapes, ARI. \$38,100.00

Wample, R. L. (2007-08). Influence of three methods of wine stabilization on Cabernet Sauvignon and Syrah on wine quality. Cacciatore Wines. \$9,067.00

Wample, R. L. (2008-10) Developing of yield monitoring technology for wine grape and delineation of management zones. ARI. \$123,000.00

Zoldoske, D.

UC Office of the President. *Energy Efficiency Strategic Plan Conveners*. \$49,998. P. Canessa and D. Zoldoske. (CIT)

Agricultural Research Initiative, *SRBR Comparison*, \$50,000. Diganta Adhikari (CIT)

California Business, Transportation, and Housing. *SJV Regional Water Plan*. \$150,000. D. Zoldoske. (CWI)

California Department of Water Resources. *DWR Ag Drainage Program*. \$31,915. D. Zoldoske. (CWI)

California Department of Fish and Game. *Central California Resource Assessment Support*. \$364,354. D. Zoldoske. (CWI)

Fresno County Workforce Investment Board. *Waterflow Technology*. \$130,910. D. Zoldoske. (ICWT)

Agricultural Research Initiative, *Sodic Soils Study*, \$45,000. Florence Cassel. (CIT)

Agricultural Research Initiative, *Salinity in the San Joaquin Valley*, \$71,000. Florence Cassel. (CIT)

Dutch Brothers Enterprises. *Evaluating Soil Health Improvements*. \$23,085. F. Cassel and D. Goorahoo. (CIT)

The Irrigation Association. *IA Certification Program*. \$12,295. K. Norum. (CIT)

Agricultural Research Initiative, *Alcohol Emission in Dairies*, \$116,060. Charles Krauter. (CIT)

California Department of Fish and Game. *SJR Salmon Model Refinement*. \$250,000. D. Zoldoske. (CWI)

Environmental Protection Agency. *Water Technology Research, Phase II*. \$214,488. D. Zoldoske. (ICWT)

US Bureau of Reclamation. *San Joaquin Valley Regional Water Plan*. \$40,000. D. Zoldoske. (CWI)

EarthRenew Organics, Ltd. *Organic Waste Processing in the San Joaquin Valley*. \$165,569. D. Zoldoske. (CWI)

The Irrigation Association. *IA Certification Program*. \$109,296. K. Norum. (CIT)

California Department of Fish and Game. *Central California Resource Assessment*. \$308,516. D. Zoldoske. (CWI)

Fresno County Workforce Investment Board. *Waterflow Technology Amendment*. \$11,061. D. Zoldoske. (ICWT)
Pacific Gas and Electric Company. *California Pumping Efficiency Program*. \$719,863. P. Canessa and D. Zoldoske. (CIT)
Southern California Edison. *Agricultural Energy Efficiency Program*. \$287,316. P. Canessa and D. Zoldoske. (CIT)
State Regional Quality Control Board. *Salinity Study in the Central Valley*. \$499,990. D. Zoldoske and J. Suen. (CWI)

CAST Honors 2007-2008

Choudhury, G.S. (2007) Outstanding Research and Scholarly Activities Award winner for the College of Agricultural Sciences and Technology at California State University, Fresno.

Deng, X. Research Collaboration with Ocean University of China. CAST Professional Development Fund. Fall 2007.

Dormedy, Erin S. (2007). California Administrative Committee for Pistachios, Public Member.

Ferris, Dennis (2007) Salgo-Noren Award winner for outstanding teaching by the College of Agricultural Sciences and Technology at California State University, Fresno.

Fugelsang, Kenneth

Co-Recipient: Prix de'Oenologie pour le livre *Wine Microbiology: Practical Applications and Procedures*.

Herzig, Lisa (2008) President-elect, Central Valley Dietetic Association

Miyasaki, Marlene

Recipient of 2008 San Joaquin Valley Common Threads Award

Perry, Randy

Cattleman of the Year for Fresno/Kings Cattlemen Association (2008).

Roberts, Bruce

Selected to represent CAST to the National Council on Science and Education's 8th National Conference on Science, Policy, and the Environment - Climate Change: Science and Solutions, January 16-18, 2008, Washington, DC.

2006-2007 Nominee for Outstanding Advisor Award, CSU Fresno, May 3, 2007.

Adjunct Professor University of Arkansas, 2007.

Rodiek, Anne

Volunteer: Board member for California Animal Nutrition Conference. Hosting the two day CANC conference on CSUF campus, (May 08). Provided three equine science educational sessions for students participating in the Migrant Scholars program (July 07). Hosted FFA Field Day Light Horse judging contest and offered two educational seminars for FFA state convention (April 08).

Tenbergen, Klaus (2007) Manage First Program™ Instructor, National Restaurant Association Educational Foundation 2007

Tenbergen, Klaus (2007) ServSafe® Food Safety Instructor, National Restaurant Association Educational Foundation 2007

Thomas, Michael

Invited speaker at the ConnectEd International Symposium. Presentation entitled "Emerging Diseases and Bio Terrorism".

Invited speaker at CSU Fresno, Brown Bag, for presentation "Recording Lectures as Podcasts".

Zoldoske, D.F. Invited keynote speaker, Irrigation Australia 2008, The Irrigation Association of Australia, Ltd., Melbourne Exhibition Centre, Share the Water, Share the Benefits Conference. Presentation titled Water Shortage, Landscape Irrigation and the California Experience. May 20-22, 2008.

CAST Creative Activities 2007-2008

Benes, Sharon

Technical Advisory Committee. Shell Global Solutions. Technical Review of Nimr Oilfield Water Treatment Project for Oman (Middle East). Committee convened in The Hague Netherlands, June 30- July 4, 2007. One of 8 technical experts: 2 U.S., 2 United Arab Emirates, 2 from United Kingdom, and 2 from Holland.

California Certified Crop Advisors (CCA) Advisory Board. Unlimited term, beginning summer 2007.

California Chapter of the American Society of America (CA-ASA) Advisory Board. Second time serving (2 yr. term beginning Mar.08).

Bezerra, Joe A.

CAST Dean's Associates

CAST Administrative Council

CAST Agricultural Laboratory Committee

CAST Public Communication and Media Relations Committee

CAST Research, Scholarly & Creative Activity Committee

CATI Center Directors Board

City of Clovis Technology Committee (TC³)

Clovis East High School Agricultural Curriculum Advisory Committee

College of Sequoias Department of Agriculture Advisory Board

West Hills Community College Industry-Education Committee

West Hills Community College Farm of the Future Committee

Central Valley Cultural Heritage Institute Advisory Committee

Fresno State Biotech Advisory Committee

Fresno Auxiliary Foundation Users Focus Committee

ISIS Advisory Board

Madera County Resource Management Agency Dairy Standards Task Force

California Tree Fruit Agreement Research Committee

American Society of Viticulture and Enology (ASEV)

American Society of Animal Scientists

American Society of Farm Managers and Rural Appraisers (ASFMRA)

American Society for Horticulture (ASHS)

California Agricultural Leadership Alumni Association (ALA)

California Agricultural Production Consultants Association (CAPCA)

International WHO's WHO of Professionals

National Agri-Marketing Association (NAMA)

National Council of University Research Administrators (NCURA)

Society of Research Administrators (SRA)

National Society of Fund Raising Executives (NSFRE)

San Joaquin Valley Air Pollution Control District

Confined Animal Operations Dairy Subcommittee

Choudhury, G. S.

Choudhury, G. S. (2008). Currently developing new ideas for problems facing the pistachio industry and general food safety.

Choudhury, G. S. (2007-2008). Developed numerous unique concepts and submitted major grants on these concepts.

Dormedy, Erin S. (2008). Developing and Implementing Hazard Analysis and Critical Control Point System (HACCP). Fresno, CA.

Dresser-Oakes, Melinda

Committee member for CAST Fall BBQ

Fugelsang, Ken

Board of Advisors, California State Fair
Commercial Wine Judge

Gomes, Alcidia Freitas

Committee Member - CAST Dean's Associates
Committee Member – CAST Administrative Council
Committee Member – Search committee for Centennial Committee Administrative Support
Member - Association of Fundraising Professionals

Herzig, Lisa (2008) *Textbook Reviewer* - Hewlings S, Medeiros D. *Nutrition: Real People Real Choices, IE*. Upper Saddle River, NJ: Pearson Education, Inc; 2009.

Jones, M. – Co-principle on statewide CSU project “Integrated Preparation in Early Development, Care and Education” funded by David and Lucile Packard Foundation. Purpose: to coordinate curriculum development across CSU Child Development programs in early care and education and community colleges.

Konduru, S. and P. Berends. Team Advisors. Western Collegiate Food Marketing Competition, Cal Poly, Pomona, CA. April 2008.

Mahalik, N.P.

N. P. Mahalik taught 5 new courses (IT 52, IT 112, IT 131, It 280, IT282). Syllabi developed and updated taking into account of present needs and scenarios

N. P. Mahalik, taught (teaching) 80 students in 2007-2008

N. P. Mahalik teaching using technology (Power point presentation, Blackboard)

N. P. Mahalik, 2 presentations, 1 co-presentation

N. P. Mahalik, One book on Microelectromechanical Systems (40% completed at Fresno State), 4 referred Journal papers, 4 Editorials in the International Journal of Automation and Control

N. P. Mahalik, applied 3 grant proposals (Seedgrant and equipment grant totaling \$70,000) excluding \$53,000 discounted based on negotiations (2

N. P. Mahalik, coordinator of MSIT program review (Self study)

N. P. Mahalik, elected/selected member in 3 different committees (University Graduate Committee, CAST Research and Scholarly Activity Committee, Departmental Search Committee)

N. P. Mahalik submitted proposals for the provost's award of RAA, RSCA, GEA

N. P. Mahalik is the founder Editor-in-chief of International Journal of Automation and Control, Inderscience, Volume 2 , Number 2 is under publication

N. P. Mahalik is member in 2 Professional Societies at the National level (NAIT, ASABE)

N. P. Mahalik attended 9 Conferences/Expos/Meetings at the National and International levels

N. P. Mahalik attended 15 Workshops/Orientations/Trainings within the campus

N. P. Mahalik is the coordinator of two Symposiums; Mini Symposium on Industrial Technology Links held on March 13th and the other International Symposium on Living with Potatoes (To be held on October 7, 2008).

N. P. Mahalik is the coordinator of United Nation's International Year of Potatoes-2008 celebration at Fresno State

N. P. Mahalik is developing a Processing & Packaging Laboratory in the department of Industrial Technology

N. P. Mahalik was interviewed by the local news paper (Business journal)

N. P. Mahalik is the coordinator of Local Food Processing and Packaging Technology Forum (To share and exchange information)

Melvold, Christy

Committee Member – Leadership Fresno Alumni Association Committee, Fresno Chamber of Commerce

Mosinski, Mike

Farm Maintenance Services – “Solutions and Service in Action”

Ag Ops-Department and Building Safety Coordinator

Campus Hiring Committee Member – Coordinator of Sustainability, Recycling and Alternative Transportation

Chestnut Ave Widening Project- Provided support to management team

Cooperative working relationships w/Facility Planning; Food Services; Grounds; Auxiliary Services; Police Department; Plant Operations Administration

Four student employees in Farm Maintenance Services

Member – Ag Athletics Equestrian/Student Horse Center Group

Member-“Ag Safe” Professional Organization

Member – Facilities Planning Group w/Plant Operations

Member – Chestnut Avenue Widening Project-Campus Operations

Member-United States Composting Council

Plant Operations Unit 6 Safety Committee

SJER Maintenance Coordination

U.A.L. Compost Site Manager

U.A.L Irrigation Master Plan Committee Member

Naffziger, Kimberly

Naffziger, Kimberly, (2007-08). Served on a national committee to determine the feasibility of a national safety and health organization – Sponsored by the Marshfield Clinic Research Foundation

Naffziger, Kimberly, (2007-08). Member, Public Relations Committee, Agricultural Safety and Health Council of America

Naffziger, Kimberly, (2007-08). Served as member of team working on curriculum/content development and program delivery for Supervisor Development Program sponsored by the Western Center for Risk Management in collaboration with University of California.

Naffziger, Kimberly, (2007-08). Chairmen of the AgSafe Conference – Program Planning Committee

Naffziger, Kimberly, (2007-08). Member of Agricultural Personnel Management Association

Naffziger, Kimberly, (2007-08). Member of the Program Planning Committee for the Joint Human Resources Management and Safety Seminar for the Eighth Annual Central Valley Human Resources and Safety Seminar

Paggi, Mechel S.

Paggi, Mechel S. (2007-08). Outside reviewer for USDA Economic Research Service reports on specialty crop agriculture.

Paggi, Mechel S. (2007-08). Outside reviewer for Food Distribution Research Journal articles.

Paggi, Mechel S. (2007-08). Outside reviewer for Mc Millian publishers textbook on Agricultural Policy.

Paggi, Mechel S. (2007-08). Member representing the American Agricultural Economics Association – Board of Directors, Council for Agricultural Science and Technology

Paggi, Mechel S. (2007-08). Serve as Outside Consultant for the California Farm Bureau Trade Advisory Committee

Paggi, Mechel S. (2007-08). Served as Head of Organizing Committee and participated in the Economics sessions at the 4th Annual World Cotton Research Conference

Paggi, Mechel S. (2007-08). Member of Organizing Committee for the Business and Economics sessions of the 2008 Unified Wine and Grape Symposium.

Paggi, Mechel S. (2007-08). Member of the Organization Committee for annual Cotton Risk Management Education program for Central Valley producers.

Smith, Mollie (2008) *Textbook Reviewer* - Hewlings S, Medeiros D. *Nutrition: Real People Real Choices, 1E*. Upper Saddle River, NJ: Pearson Education, Inc; 2009.

Srinivasan, Ganesan

Member, Campus Master Plan Coordinating Committee

Member, UAL committee

Member, Dean's Associates and Academic Council of CAST.

Tenbergen, Klaus

Tenbergen, Klaus (2008) *Radio Program – The Pulse* - 90.7 KFSR's Business Roundtable Radio Fresno State, participated in the weekly business roundtable radio program, January 15, 2008.

Tenbergen, Klaus (2007) *Sunday with Peter Laufer*, KPFA, KPFB, and KFCF [July 22, 2007](#).

Zoldoske, D.

Serve on Research and Scholarly Activities Committee, College of Agricultural Sciences and Technology, CSU Fresno.

Member - Grant Research Advisory Board, California State University, Fresno.

Completed term as President of the Professional Soil Scientists Association of California.

Completed term as board member of the California Chapter of the American Society of Agronomy.

Served on the UC/CSU Environmental Mitigation Panel of the McKinsey Evaluation Task Force.

Served on the Review Panel for the UC Kearney Foundation.

Outside reviewer for UC Micro Irrigation Pocket Guide.