



CIFAR Conference XXXII

Managing Energy, Water and By-products for Profitability in Food and Beverage Processing

RMI Silverado Theater, University of California, Davis

October 10, 2013,

8:30 a.m. – 4:30 p.m.

- 8:00** ***Registration, Review Exhibits and Posters.***
<https://registration.ucdavis.edu/Item/Details/99>
- 8:30** **Welcome.** Interim Dean Mary Delany, College of Agricultural and Environmental Sciences, UC Davis
- 8:35** ***Keynote: Rethinking Cleaning Practices: Implication for Water Use and Reuse.*** Roger Boulton, Stephen Sinclair Scott Endowed Chair in Enology and Professor, Departments of Viticulture & Enology and Chemical Engineering & Materials Science, UC Davis
- 9:15** **PANEL 1: Industrial Best Practices and the Water Energy Nexus in Food Processing Facilities.** Ricardo Amón, Food Industry Energy Specialist and CIFAR-WEN Project Leader, UC Davis (moderator)
- The Compressed Air Challenge.** Don Kazama, KWW Energy, Sacramento, CA
- Steam System Assessments.** Tony Wong, KWW Energy, Sacramento, CA
- The Water Energy Nexus at a Tomato Processing Facility.** Mike Maulhardt, CIFAR Advisor, Davis, CA
- Wastewater Management and Bioenergy Potential in Food Processing Facilities.** Christopher Simmons, PhD, Assistant Professor, Department of Food Science & Technology, UC Davis
- 11:15** ***Break, Exhibits and Posters.***
- 11:30** **Consumer Attitudes on Processed Foods.** David Schmidt, President, International Food Information Council, Washington D.C.

- 11:55** **Hearing Humans on Processed Foods.** Jacqueline H. Beckley, Principal, The Understanding & Insight Group, LLC, Denville, NJ
- 12:20 p.m.** **Lunch, Exhibits and Posters.**
- 1:15** **Keynote: Reflections on Today's and Tomorrow's Food Processing Industry.**
R. Paul Singh, Distinguished Professor of Food Engineering, Department of Biological & Agricultural Engineering, UC Davis
- 1:50** **Innovations in Energy and Sustainability: Processes and Technologies.**
Glen Lewis, Principal, Glen Lewis Group LLC, Elk Grove, CA
- 2:15** **Wash Water Sanitation in Fresh Produce Industry and Innovative Biosensing Technologies for Assessing Sanitation Efficacy.**
Nitin Nitin, Assistant Professor, Departments of Food Science & Technology and Biological & Agricultural Engineering, UC Davis
- 2:40** **Break, Exhibits and Posters.**
- 3:00** **Panel 2: Technology Advances in Integrated Processing to eliminate the Waste Stream** Sharon Shoemaker, Founding Director, CIFAR and Department of Food Science & Technology, UC Davis (moderator)
- Strategies to Capture, Store and Reuse Carbon.** Pamela Contag, CEO, Cygnet Biofuels, San Jose, CA
- Biogas from Food Waste for Sustainability and Profit.**
Michele Wong, CEO, Clean World and Synergex International Corp., Gold River, CA
- Recovering Valuable Components from Dairy By-products.**
Juliana Nobrega DeMoura Bell, Project Scientist, Milk Processing Lab, Department of Food Science & Technology, UC Davis
- 4:20** **Wrap Up.** David Reid, Associate Director, CIFAR, and Professor Emeritus, Department of Food Science and Technology, UC Davis
- 4:30** **Adjourn To Seed Central – Food Central Joint Networking Event**
Register at no cost online: <http://www.seedcentral.org/calendarofevents.htm>
Optional: 6:00 – 7:00 p.m. Presentation by Bart Weimer, PhD, School of Veterinary Medicine, “Microbial Genomics in Food and Plant Interactions”

Contact S. Shoemaker for additional information regarding exhibiting, presenting a poster, or scheduling an separate meeting, s shoemaker@ucdavis.edu, www.ucdavis.edu, Ph: 530.848.6733