## PRECONFERENCE ACTIVITIES
### Saturday, January 25

![CompostCon](image)

It’s Your Turn ...

(Click on image, or go to www.compostcon.com)

### Sunday, January 26

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>Foundations of Composting [<strong>Instructors:</strong> Dr. Robert Rynk and Matthew Cotton]</td>
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<tr>
<td>8:30 am – 4:30 pm</td>
<td>Compost Use in Agriculture, Horticulture and Landscaping [<strong>Instructors:</strong> Dr. Monica Ozores-Hampton and Dr. David Cohn]</td>
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<tr>
<td>8:30 am – 4:00 pm</td>
<td>Aerated Static Pile Composting – Applications and Advancements [<strong>Instructor:</strong> Peter Moon, PE]</td>
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<tr>
<td>8:30 am – 4:30 pm</td>
<td>On-site and Institutional Composting: Instruction, Case Studies and Tour [<strong>Instructors:</strong> Lori Caldwell, Ellen Hopkins, Cheri Chastain, Jean Bonhotal and Peter Klaich]</td>
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<tr>
<td>8:00 pm – noon</td>
<td>What's in YOUR Compost? How to Know and What to Put on Your Label [<strong>Instructor:</strong> Ron Alexander]</td>
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<tr>
<td>8:30 am – noon</td>
<td>Compostable Plastics 101 - What Recycling Coordinators and Program Developers Need to Know [<strong>Instructor:</strong> Steve Mojo, Jack Macy, Mark Williams, Michele Young, and Christian Garaffa]</td>
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<tr>
<td>8:30 pm – noon</td>
<td>Making Compost on and for Vineyards and Other Farms [<strong>Instructor:</strong> Bob Shaffer]</td>
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<tr>
<td>1:00 pm – 5:00 pm</td>
<td>Planning and Implementing Organics Diversion for Arenas, Fairs, Festivals and Special Events [<strong>Instructors:</strong> Leslie Lukacs and Michael Siminitus]</td>
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<tr>
<td>1:00 pm – 5:00 pm</td>
<td>Management of Odor Issues at Compost Facilities [<strong>Instructor:</strong> Scott Gamble and Todd Williams]</td>
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<tr>
<td>1:00 pm – 4:30 pm</td>
<td>Building a Successful Biogas Project [<strong>Instructors:</strong> Bernie Sheff, Nora Goldstein, Ron Alexander and Paul Sellew]</td>
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<tr>
<td>Noon – 1:00 pm</td>
<td>Lunch for those taking a full day of classes</td>
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<tr>
<td>11:00 am – 6:00 pm</td>
<td>Exhibitor Registration &amp; Set Up</td>
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<tr>
<td>2:00 pm – 4:30 pm</td>
<td>Compostable Plastics Task Force Meeting</td>
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<td>Open to all! Hear updates from the three working groups: Labeling and Information, Legislation and Enforcement, and Standards and Practices. Get involved in future plans.</td>
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<td><em>Meeting sponsored by NatureWorks</em></td>
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<tr>
<td>5:15 pm – 6:15 pm</td>
<td>USCC Annual Members Meeting (open to all)</td>
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</table>
Monday, January 27

7:45 AM – 8:45 AM  TRADESHOW OPENS, CONTINENTAL BREAKFAST AVAILABLE  EXHIBIT HALL WEST

CONCURRENT SESSION 1

8:30 AM – 10:00 AM  (P1) THE KEY ROLE FOR SCHOOLS: CURRICULUM AND PRODUCTION ADVANCEMENTS  JUNIOR BALLROOM 1/2

Moderator: Nancy Deming, Oakland Unified School District

• Implementing Composting in Schools: Integrating Composting into the Curriculum Mary Schwarz, Cornell Waste Management Institute, Ithaca, NY
• How Can We Increase Our Compost Production? Working With Our Schools! Nancy Deming, Oakland Unified School District, Oakland, CA

Additional Panelists include: Roland Broach, OUSD Custodial Services Director, Jennifer LeBarre, OUSD Nutrition Services Director, Rebecca Parnes, Waste Management School Specialist, Angelina Vegara, StopWaste.Org Senior Program Manager, Ruth Abbe, Alameda Unified Rep, HDR, Inc., Altamont Education Advisory Board, Deborah Moore, Berkeley Unified Rep, Green Schools Initiative, Theresa Cordova, Lead Custodian, Jeffrey Vickers, Lead Custodian and Barbara Blow, Kitchen Manager.

8:30 AM – 10:00 AM  (C1) FEEDSTOCKS: ACCESS, OPPORTUNITIES AND TESTING YOUR RAW MATERIALS  GRAND BALLROOM A/B/C/D

Moderator: Bob Rynk, SUNY Cobleskill

• Competition for Waste-Derived Organic Materials George M. Savage, CalRecovery, Inc., Concord, CA
• High Carbon Wood Ash Use in Composting: A Remedy for Pesticide-Impacted Composts and Nuisance Odors Andrew Carpenter, Northern Tilth, Belfast, ME
• Composting Liquid Brewery Waste Pierce Louis, Dirt Hugger, The Dalles, OR
• Compostable Bioplastics Testing Protocol: "Real-world" Experiences from San Jose, Ca Hilary Near, Cascadia Consulting Group, San Jose, CA

8:45 AM – 10:15 AM  (AD1) POWERING SAN JOSE: 3 PERSPECTIVES ON DEVELOPING A PUBLIC-PRIVATE AD SYSTEM  GRAND BALLROOM E/F/G/H

Moderator: Michele Young, City of San Jose

This three-part case study on bringing the largest US high solids dry fermentation system online details key aspects of this successful blend of technology innovation, project development, and local public policy for application to programs nationwide.

• Municipal Planning: Highlights the public sector process for creating technology innovation, and local green infrastructure through zero waste and renewable energy policy, program implementation through RFP and feedstock contract awards, risk sharing and large scale public private contract management Jo Zientek, City of San Jose, CA
• Implementation: winning proposal development for public sector contracts, and large-scale infrastructure development including details on including facility construction, and leading edge permitting Emily Hanson, Zero Waste Energy Development Company, San Jose, CA
• Development perspective - Applies the lessons learned through the San Jose and other Bay area facilities to support integration of AD/Composting systems into organics processing infrastructure nationwide Eric Herbert, Zero Waste Energy, Lafayette, CA

8:45 AM – 10:15AM  (U1) BENEFITS OF COMPOSTING AND COMPOST FOR KUWAIT, INDIA, HAITI, AND THE WORLD!  JUNIOR BALLROOM 3/4

Moderator: Jean Bonhotal, Cornell Waste Management Institute

• Composting Poultry Waste (dead birds) System Modified for Exposed Desert Environment, Dr. Samir Al-Ghawas, and Mr. Hamad Al-Mansor, Kuwait Institute for Scientific Research, Kuwait
• Rehabilitating a Former Open Landfill Site in India: A Case Study in Habitat Restoration Peter Ash, Straightash Environmental Solutions, Encinitas, CA
• CCREF Impact of Compost Amendment on Agronomic Production in Haiti David C. Weindorf, Texas Tech University, Lubbock, TX
• The Marin Carbon Project: Showing how Compost can help Stop Global Warming, John Wick and Dr. Jeff Creque, Marin Carbon Project, Nicasio, CA

10:00-10:45 MORNING BREAK  EXHIBIT HALL WEST

10:45 AM – 12:15 PM  PLENARY  EXHIBIT HALL EAST

Welcome to USCC 2014 – Lori Scozzafava, USCC Executive Director

Opening Keynote “Visions for the Future: Public and Private” with Carol Mortensen, Director: CalRecycle and Ecopreneur Eben Bayer. Eben will present "Sustainable Design and Manufacturing for People, Planet and Progress"

Plenary Session Sponsored by StopWaste.Org and Waste Management, Inc.

12:15-1:30 LUNCH BREAK (ON YOUR OWN)
CONCURRENT SESSION 2

1:45 PM – 3:15 PM  (P2) ROLE FOR LOCAL GOVERNMENT IN DEVELOPING COMPOST PROGRAMS  JUNIOR BALLROOM 1/2
Moderator: Justin Gast, Washington County, OR
• Framework for Increased Local Government Focus on Food Scraps Steven Sherman, Upstream (formerly Product Policy Institute), Oakland, CA
• Organics Recovery in Québec: from Scratch to Banning! Sophie Taillefer, RECYC-QUÉBEC, Montréal, Québec
• The Evolution of Waste Reduction through Composting: A Minnesota Case Study Robert Friend, Specialized Environmental Technologies, Eden Prairie, MN

1:45 PM – 3:15 PM  (C2) ESTABLISHING SUCCESSFUL COMPOSTING FACILITIES  GRAND BALLROOM A/B/C/D
Moderator: Neil Edgar, Edgar Associates
• Lessons Learned From a Start-Up Indoor Urban Food Waste Compost Company Vinnie Bevivino, Chesapeake Compost Works, Baltimore, MD
• The Walker Experience: Moving Beyond Commissioning Towards a Successful Compost Operation Gregory Robles, Walker Environmental Group, Thorold, ON
• Economics of Composting in a Small Rural City- a Sustainable System Jean Bonhotal, Cornell Waste Management Institute, Ithaca, NY
• Development of an Commercial Scale Composting Facility for Multiple Feed Stocks - Green Waste, Food Waste and Biosolids Scott Woods, Sustainable Generation, LLC, Chelmsford, MA

2:00 PM – 3:30 PM  (D1) COLLECTING FROM THE COMMERCIAL SECTOR: CASE STUDIES AND LESSONS LEARNED  GRAND BALLROOM E/F/G/H
Moderator: Jay Kilbourn, Casella Organics
• Launching a Successful Commercial Urban Organics Program Judith Silver, Environmental Science Associates, Oakland, CA
• University of Michigan Athletics Leads Zero Waste in the Community Nicole Chardoul, Resource Recycling Systems, Ann Arbor, MI
• Working Better Together: Perspectives and Opportunities through the City of Eugene’s Commercial Compost Program. Stephanie Scafa, Eugene, OR and Jack Hoeck, Rexius Forest Byproducts, Eugene, OR
• Commercial Food Scraps? What Are We Seeing / What is Succeeding in Communities? Dana D’Sousa and Lisa Skumatz, Skumatz Economic Research Associates (SER), Superior, CO

2:00 PM – 3:30 PM  (U2) COMPOST MARKETING: TARGETING NICHE AND ORGANIC MARKETS, COMMUNICATING EFFECTIVELY  JUNIOR BALLROOM 3/4
Moderator: Kendall Christensen, Gaia Associates
• Increasing Retail Sales of Compost-based Products Through Product Packaging Miguel Palma, kenCreative, Emeryville, CA
• Boutique/Specialty Market: Developing and Marketing a High End Compost Colum Riley, Malibu Compost LLC, Malibu, CA
• Why Organic? Kellogg’s Journey through OMRI and OIM Certification Kathy Kellogg Johnson, Kellogg Garden Products, Carson, CA

3:15-4:15 AFTERNOON BREAK  EXHIBIT HALL WEST

CONCURRENT SESSION 3

4:00 PM – 5:30 PM  (P3) ROLE FOR LOCAL AND STATE GOVERNMENT  JUNIOR BALLROOM 1/2
Moderator: Steve Sherman, East Bay Municipal Utilities District
• Oakland’s New Path One City’s Plan to Get the Organics Peter Slote, City of Oakland, Oakland, CA
• Organics Composting and Its Role in a Zero Waste Plan Marc J. Rogoff, Ph.D., SCS Engineers, Tampa, FL
• California Policy Initiatives to support Diversion of Food Residuals, Scott Smithline, Assistant Director for Policy Development, CalRecycle, Sacramento, CA

4:00 PM – 5:30 PM  (C3) COMPOST FACILITY EVOLUTION  GRAND BALLROOM A/B/C/D
Moderator: Jeff Ziegenbein, IEUA
• Growing Pains: Managing the Growth of a Compost Business Justen Garrity Veteran Compost, Aberdeen, MD
• Combining Windrows and Vermicomposting in Mexico: 2 Case Studies David Escalera, CompostaMex, Tlaquepaque, Jalisco, MEX
• Evolution of a Compost Facility Over 20 Years: How Odors and Process Control Drive the Need for Technology Improvements Brian Fuchs, W. L. Gore & Associates, Elkton, MD
• Biosolids Composting Technology: Where It Has Come From, Where It Is Going? Todd Williams, CH2M HILL, Mechanicsville, VA
**4:15 PM – 5:45 PM**  (D2) **COMPOSTABLE PLASTICS: FUNGAL-BASED BIOPLASTICS, FOOD SERVICE PERSPECTIVE; NEW RESEARCH ON COMPOSTABILITY; CONNECTING TO COMPOSTABLES: TOOLS AND ACTIONS**

**GRAND BALLROOM E/F/G/H**

**Moderator: Michele Riggs, Cedar Grove**

- Grown, Not Made - "Plastics" Exist in Nature Eben Bayer, Ecovative, Green Island, NY
- Biodegradability Of Conventional And Bio-Based Plastics And Natural Fiber Composites during Composting, Anaerobic Digestion and Long-Term Soil Incubation Fred Michel, Ohio State University, Wooster, OH
- A Pathway for Compostable Plastics through Foodservice Operation Diversion Tom Wright, SustainableBizness.com, Whole Foods markets, Resource Recycling Systems, Moraga, CA
- Connecting to Compostables: Tools and Actions for Every User Michele Young, Organics Manager, City of San Jose, San Jose, CA

This Session Sponsored by **Heritage Bag**

**4:15 PM – 5:45 PM**  (U3) **MULCH MADNESS LAWN CONVERSION: GROW LOCAL BUSINESSES AND HARVEST COMMUNITY ENGAGEMENT**

**JUNIOR BALLROOM 3/4**

The innovative, nationally recognized “Mulch Madness” program has successfully converted over one-half-million square feet of “thirsty” lawn into low-water-use gardens. This successful incentive program conserves water, reduces organic discards, replenishes soil, supports local businesses, and builds community. This presentation will outline the program’s design and candidly address its successes, challenges, and costs/savings.

- Will Bakx, Sonoma Compost Co., Petaluma, CA
- David Iribarne, City of Petaluma, CA
- Thrathen Heckman, Daily Acts, Petaluma, CA

6:00 PM – 8:00 PM **EXHIBITOR’S RECEPTION**

**EXHIBIT HALL WEST**

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**Tuesday, January 28**

10:00 AM – 5:30 PM **EXHIBITOR’S SHOWCASE AND EXHIBITS**

**EXHIBIT HALL WEST**

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**Tuesday, January 29**

9:00 AM – 10:30 AM  (D3) **DEVELOPMENTS IN RESIDENTIAL ORGANICS COLLECTION**

**GRAND BALLROOM E/F/G/H**

**Moderator: Brain Fleury, WeCare Organics**

- Establishing a Source Separated Organic Material Composting Program: 13 Years of Evolution Heidi Ringhofer, Western Lake Superior Sanitary District, Duluth, MN
- Launching a Residential Organics Collection Program in The Country’s Largest City, Bridget Anderson, NYC Organics, New York, NY

9:00 AM – 10:30 AM  (C4) **FACILITY ADVANCEMENTS: HARNESSING THERMAL ENERGY, USING LEACHATE, LEARNING FROM MISTAKES**

**JUNIOR BALLROOM 1/2**

**Moderator: Peter Moon, O2 Compost**

- Effect of leachates inoculation and shredding of the organic fraction of municipal solid wastes on the composting time in Bordo Poniente, Mexico City, Javier Barron-Santos, National Polytechnic Institute, Mexico
- Process Failure Analysis: A Tool for Evaluating Health and Safety at Composting Facilities Nellie J. Brown, MS, CIH, Cornell University LRL Worker Institute, Buffalo, NY
- Recovering the Heat of Composting – Mostly the Basics Robert Rynk, SUNY Cobleskill, Cobleskill, NY
- Composting and Renewable Thermal Energy Systems - Case Studies and Trends Brian Jerose, Agrilab Technologies LLC, Enosburg Falls, VT

8:45 AM – 10:15 AM  (AD2) **ANAEROBIC DIGESTION: TECHNOLOGY REVIEW AND CASE STUDIES**

**GRAND BALLROOM A/B/C/D**

**Moderator: George Savage, CalRecovery**

- System Selection for Organic Management Prentiss A. Shaw, Cornerstone Environmental Group
- Integrated AD with Composting at a Public Agency Jeff Lindenthal, MRWMD
- UC Davis Uses Public-Private Partnership to Develop Modular Digester in Record Time Sid England, Assistant Vice Chancellor, UC Davis, Davis, CA
- Latest Developments in AD of MSW Organics Norma McDonald and Luc De Baere, Organic Waste Systems, Inc., Dayton, OH

9:00 AM – 10:30 AM  (AD3) **DEVELOPMENTS IN RESIDUAL ORGANICS COLLECTION**

**GRAND BALLROOM E/F/G/H**

**Moderator: Brain Fleury, WeCare Organics**

- Establishing a Source Separated Organic Material Composting Program: 13 Years of Evolution Heidi Ringhofer, Western Lake Superior Sanitary District, Duluth, MN
- Launching a Residential Organics Collection Program in The Country’s Largest City, Bridget Anderson, NYC Organics, New York, NY

9:00 AM – 9:30 AM  **ANNUAL SEAL OF TESTING ASSURANCE MEETING (ALL WELCOME)**

**JUNIOR BALLROOM 3/4**
Compost Markets and Use Track, Jan 28
The Soil–Water Connection, and Beyond!

This full day track (Sessions U4, U5, U6 and U7) will examine both innovative and traditional uses of compost to improve soil health, plant growth and environmental protection. Presentations will include research findings, case studies and practical ‘how to’ applications. Attendees will walk away with a higher level of knowledge and confidence when interacting with these market segments, whether they are compost producers, state regulators, product specifiers or customers.

9:30 AM – 10:30 AM  (U4) THE ROLE AND BENEFITS OF ORGANIC MATTER IN THE SOIL/WATER CONNECTION
JUNIOR BALLROOM 3/4

Moderator: Al Rattie, US Composting Council

- **CCREF** Erosion control, storm water & green infrastructure: An overview Britt Faucette, Filtrexx International, Grafton, OH
- Striving for 5% Organic Matter: Program Concept and Importance Ron Alexander, R. Alexander Associates, Inc., Apex, NC

10:15-11:15 MORNING BREAK EXHIBIT HALL WEST

CONCURRENT SESSION 5

11:00 PM – 12:30 PM  (P4) ZERO-WASTE COMPOSTING: HOW PREVENTING AND COMPOSTING FOOD WASTE CAN HELP CONQUER CLIMATE CHANGE AND PREVENT DISEASE
JUNIOR BALLROOM 1/2

Moderator: Heidi Ringhofer, Western Lake Superior Sanitary District

Eureka Recycling has just released a composting report—the culmination of 3 years of work, including a compost collection study that compared co-collection of compost and recycling in a truck, bike collection, and collection using a drop-off site and an in-depth, triple bottom line analysis of options to prevent, collect, and process the City of Saint Paul’s SSO. By using this framework—Zero-Waste Composting—a community, business, or advocacy group can determine the combination of cost, social, and environmental benefits that best meet their community’s needs. The partners of this project will present key findings from this report.

- Bryan Ukena, Eureka Recycling, Minneapolis, MN
- Susan Hubbard, Nothing Left to Waste, Minneapolis, MN
- Ron Alexander, R. Alexander Associates, Apex, NC

11:00 PM – 12:30 PM  (AD3) ANAEROBIC DIGESTION: ECONOMICS, FINANCING AND REGULATIONS
GRAND BALLROOM A/B/C/D

Moderator: Mike Whitt, Shakopee Mdewakanton Sioux Community

- An Update on AD Projects and Regulations in CA Jacques Franco, CalRecycle, Sacramento, CA
- Financing an AD Project Shawn Garvey, CleanWorld Partners, Gold River, CA
- Evaluation and Impact of Regional Tipping Fees and Finished Digestate Compost Product Pricing on Anaerobic Digestion Amber Blythe, BIOFerm Energy Systems, Madison, WI
- Adding Value to the Composting Proposition Jan Allen, Impact Bioenergy, Shoreline, WA

11:15 PM – 12:45 PM  (D4) HAULER PANEL- MAKING THE CONNECTION BETWEEN GENERATOR AND COMPOSTER
GRAND BALLROOM E/F/G/H

Moderator: Matt Cotton, Integrated Waste Management Consulting

- Building Compost & Community: How Gainesville, FL is Moving From Waste to Food Chris Cano, Gainesville Compost, Gainesville, FL
- It’s Not Commingled!! Tacoma’s Approach to Organics Collection Jetta Antonakos, City of Tacoma, WA
- The CompostNow Story Justin Senkbell, CompostNow, Raleigh, NC
- City of Denver’s Residential Composting Collection Program - Denver Composts! Charlotte Pitt, City of Denver, CO

11:15 PM – 12:45 PM  (U5) LANDSCAPE AND ENVIRONMENTAL PROTECTION USING COMPOST
JUNIOR BALLROOM 3/4

Moderator: Ned Foley, 2 Particular Acres

- Fire and Erosion Control Research David Crohn and Vijaya Chaganti, UC Riverside, Riverside, CA
- Using Compost for Erosion Control Scott Dowlan, California Department of Transportation, San Luis Obispo, CA

12:30-2:15 LUNCH BREAK (ON YOUR OWN)

CONCURRENT SESSION 6

2:00 PM – 3:30 PM  (P5) STORMWATER IMPACTS AT COMPOST SITES; REGULATING COMPOSTERS IN CA
JUNIOR BALLROOM 1/2

Moderator: Brenda Platt, Institute for Local Self Reliance

- Scientific Evaluation of Contact Water from an Organics Compost Demonstration Site Marcus Zbinden, Carver County Environmental Services, Chaska, MN
- The Implications of California Air Regulations on Composting Facilities Patrick Sullivan, SCS Engineers, Sacramento, CA
- New Regulations for Compost Facilities Ken Decio, CalRecycle, Sacramento, CA

This session sponsored by CalRecycle
2:00 PM – 3:30 PM  (C5) AERATED SYSTEMS: RESEARCH AND CASE STUDIES  
GRAND BALLROOM A/B/C/D

Moderator: Rebecca Jewell, Waste Management
- Comparison of Positive vs. Negative Aeration Michael Bryan-Brown, Green Mountain Technologies
- One Size Fits All? The Journey to Designing an Aeration System for a CASP Facility Jessica Ann Bernardini, P.E., Cornerstone Environmental Group, LLC, Dublin, CA
- Composting at Institutions and Small Organizations, Lessons from Case Studies Harold Ruppert, O2Compost, Snohomish, WA
- Data and Analysis From a Round Robin Test of Five Different CASP Fabrics Tim O’Neill, Engineered Compost Systems, Seattle, WA

2:15 PM – 3:45 PM  (D5) IMPROVING THE DINING EXPERIENCE: EXAMPLES FROM THE PROS  
GRAND BALLROOM E/F/G/H

Many professional sport teams and associated venues are successfully diverting food residuals and packaging waste streams from landfill to commercial composting - all while enhancing their guest and fan experience; providing a better carbon footprint and best of all - saving money. The audience will hear firsthand how a “supply-chain-like approach” orchestrated by major sports teams/venues can deliver a superior carbon footprint and $ savings through the use of compostable food service ware and the commercial composting of food/compostable packaging waste streams in a non-mandatory setting!

Moderator: Steve Davies, NatureWorks
- Doug Kunemann, NatureWorks, Marietta, GA
- Carla Castagnero, AgRecycle, Pittsburgh, PA
- Lyle Peters, Green Drop, Vancouver, BC, CAN
- Buzz Chandler, Stalk Market, Portland, OR
- Justin J. Zeulner, Portland Trailblazers, Portland, OR

2:15 PM – 3:45 PM  (U6) USE OF COMPOST IN AGRICULTURAL OPERATIONS  
JUNIOR BALLROOM 3/4

Moderator: Chuck Wilson, A1 Organics
- CCREF Compost and Food Safety—What New Rules from the FDA Mean to You Patricia D. Millner, Environmental Microbial and Food Safety Lab and Sustainable Agriculture Systems Lab, United States Department of Agriculture
- Benefits of Compost Quantification Field Study: an in-depth analysis of micronutrients, plant health and pest control in agricultural field applications Frank Peters, AIM Environmental Group, Bright, ON, Canada
- The Humalfa Water and Fertility Study Jeff Kler, Humalfa, Iliff, CO
- CCREF Compost in Agriculture: Research, Demonstration and Outreach Project Andrew Corbin, Washington State University Extension, Everett, WA

3:00 PM – 6:00 PM  SWANA/USCC “MANAGER OF COMPOSTING PROGRAMS” CERTIFICATION EXAM  
ROOM 210

3:30-4:30 AFTERNOON BREAK  
EXHIBIT HALL WEST

CONCURRENT SESSION 7

4:15 PM – 5:45 PM  (P6) REDUCING GREENHOUSE GAS EMISSIONS WITH COMPOSTING AND COMPOST USE  
JUNIOR BALLROOM 1/2

Moderator: Scott Subler, Environmental Credit Corp
- Opportunities for Carbon Offsets from Waste Diversion Projects Joel Levin, Climate Action Reserve
- Greenhouse Gas Evaluation of Compost Production & Use Crystal Reul-Chen, CalRecycle Sacramento, CA
- CCREF Linking Land Use and Urban Sectors for Greenhouse Gas Accounting Sally Brown, University of Washington, Seattle, WA

This session hosted by CCREF

4:15 PM – 5:45 PM  (C6) TOOLS OF THE TRADE  
GRAND BALLROOM A/B/C/D

Scott Gamble of CH2M HILL will provide an overview of some of the more common tools and tricks for monitoring and tracking operational details at your site. Aimed at site supervisors and managers, this workshop will also included an overview of windrow/pile sampling methods and provide examples of data tracking tools.

4:30 PM – 6:00 PM  (P7) BARRIERS AND OPPORTUNITIES FOR DEVELOPING A NATIONAL ORGANICS RECYCLING INFRASTRUCTURE  
GRAND BALLROOM E/F/G/H

Moderator: Lori Scozzafava, US Composting Council
- Pay Dirt: Expanding Composting to Reduce Waste, Create Jobs & Protect Watersheds Brenda Platt, Director, Composting Makes Sen$e Project, Washington, DC
- Creative Connections: Shining an Organics Management Beacon Across North America Paul Sellew, Harvest Power, Waltham, MA
- How To Build Composting Infrastructure in the U.S. Nora Goldstein, BioCycle, Emmaus, PA
- CCREF The Role of Research and Education Ginny Black, Compost Council Research and Education Foundation, Bethesda, MD

4:30 PM – 6:00 PM  (U7) NEW RESEARCH IN COMPOST BENEFITS  
JUNIOR BALLROOM 3/4

Moderator: Mary Schwarz, Cornell Waste Management Institute
- Impacts of compost amendments on soil-borne Pythium disease Eric A. Carr, Cornell University, New Cumberland, PA
- Invasive Species Weed Seed Viability after Composting Joe Van Rossum, University of Wisconsin-Extension, Madison WI
- “Dialing In” Compost Application for Horticultural Tree Nursery Fields: Results from Year 3 of a Multi-Year Trial Tamara Thomas, P.E., Terre-Source LLC, Mount Vernon WA
- Salts, Nutrients and EC measurements David Crohn and Vijaya Chaganti, UC Riverside

P= Programs, Policy and Education, C=Composting, AD=Anaerobic Digestion, D=Diversion and Collection, U=Uses and Markets  
(CCREF) = Endorsed by Composting Council Research and Education Foundation
Wednesday, January 29
7:00 AM – 4:00 PM
“LIVE” EQUIPMENT DEMONSTRATIONS and EXPANDED EQUIPMENT SHOW at the REDWOOD LANDFILL AND COMPOSTING FACILITY, Novato, CA (transportation provided)

For over 10 years, the USCC Conference has hosted the largest “live” equipment demonstrations for the composting and wood recycling industry in the U.S. This year, thanks to our hosts at the Redwood Landfill, we have room to EXPAND and set up an entire area just for equipment display. This area will be separate from the Demonstration Area, and will be open all day.

Of course, there is nothing like seeing equipment in action, and we will again be hosting equipment DEMONSTRATIONS. This year, each group of machines, grinders, windrow turners, screens, and application equipment, will run twice, morning and afternoon.

Shuttle buses will run hourly from the Conference Hotel in Oakland.

There will be free workshops during the day on equipment safety and maintenance, plus, our famous BBQ lunch is included!

Registration for the Equipment Show and Demonstrations is INCLUDED IN YOUR FULL CONFERENCE REGISTRATION, so don’t miss it

What equipment will you see?
- Grinding & Shredding by Bandit, Diamond Z, Doppstadt, Komptech, Morbark, Peterson Pacific, Rotochopper, Terra Select, and Vermeer
- Windrow Turning by Backhus, Komptech, Midwest Biosystems, Scarab and Vermeer
- Screening by Backers, Doppstadt, Komptech, McCloskey, Neuenhauser, Peterson Pacific, Terra Select, and Vermeer
- Mixing by Rotomix
- Bagging by Rotochopper

Equipment Show Schedule

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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Load buses at Hotel</td>
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<tr>
<td>7:15 AM</td>
<td>First bus departs, with departures from Marriott hourly until 12:15; return shuttles leave the landfill hourly until 5 PM</td>
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<tr>
<td>8:15 AM</td>
<td>Arrival, light breakfast</td>
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<tr>
<td>8:30 AM</td>
<td>Welcome, registration, orientation</td>
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<td></td>
<td>Distribution of safety gear</td>
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<tr>
<td>9:00 to 9:45</td>
<td>Grinders and shredders</td>
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<td>10:15 to 10:35</td>
<td>Windrow turners and feedstock mixers</td>
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<tr>
<td>10:40 to 11:10</td>
<td>Safety workshop: Increasing Profits and Reducing Risk</td>
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<td>11:05 to 11:50</td>
<td>Screeners</td>
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<tr>
<td>11:45 to 1:00</td>
<td>BBQ lunch available</td>
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<tr>
<td>1:00 to 1:45</td>
<td>Grinders and shredders</td>
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<td>1:40 to 2:10</td>
<td>Safety workshop (repeat)</td>
</tr>
<tr>
<td>2:10 to 2:30</td>
<td>Windrow turners and feedstock mixers</td>
</tr>
<tr>
<td>2:45 to 3:30</td>
<td>Screeners</td>
</tr>
<tr>
<td>4:00 to 5:00</td>
<td>Sip and Soil Soiree hosted by Redwood Landfill</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Last bus departs</td>
</tr>
</tbody>
</table>

Equipment show sponsored by Vermeer Manufacturing and Redwood Landfill
Support Equipment by Papé Machinery | Breakfast by Peterson Pacific
The US Composting Council would like to thank the following companies for their generous support of the 22nd Annual Conference and Tradeshow

**PLATINUM**
- Waste Management, Inc.
- BioCycle Magazine
- StopWaste.Org

**DIAMOND**
- Biodegradable Products Institute
- Environmental Credit Corp
- Vermeer Manufacturing
- Redwood Landfill
- Komptech
- Recology

**GOLD**
- Midwest Biosystems
- Vision Recycling
- Heritage Bag
- CalRecycle
- Novamont
- Synagro

**SILVER**
- Zanker Resource Road Management
- National Restaurant Association
- Peterson Pacific Corporation
- California Compost Coalition
- Living Earth Technologies
- Sustainable Generation
- GORE® Cover System
- Because We Care
- Papé Machinery
- Harvest Power
- Natureworks
- A1 Organics
- BASF

**BRONZE**
- California Resource Recovery Association
- NCM Odor and Dust Control
- Glad Products Company
- St. Louis Composting
- Filtrexx International
- Laurel Valley Soils
- Republic Services
- WeCare Organics
- City of Oakland
- Nortech Waste
- EcoProducts
- CH2M Hill
- Amadas
- BioBag

**BENEFACCTOR**
- Californians Against Waste
- Cedar Grove Composting
- City of San Francisco
- Cascadia Consulting
- Kessler Consulting
- Scarab
- HotRot

**MEDIA SPONSORS**
- Waste Handling Equipment News (WHEN)
- Resource Recycling Magazine
- Portables Plants & Equipment
- Soil & Mulch Producer News
- Waste Advantage Magazine
- Pollution Equipment News
- Erosion Control Magazine
- Recycling Product News
- Public Works Magazine
- Stormwater Magazine
- MSW Management
- American Recycler
- Composting News
- Waste Age

Sponsorship opportunities are still available. The sooner you secure a sponsorship, the sooner your company name is linked to this unique event, and the more exposure you will receive! Take advantage of all the USCC promotional activities in the coming months and become a conference sponsor TODAY!
## Foundations of Composting. **Instructors: Dr. Robert Rynk and Matthew Cotton**

This intensive 1-day training will cover the basic concepts, practices and “how to’s” of compost production. The course will provide a foundation for novice compost operators, managers and regulators and will refresh veteran composters on the underlying scientific principles. Subjects will include: Basic principles of composting, monitoring and managing the process, data collection and interpretation, odor control, organic material collection methods, review of major processing methods, and an overview of markets for compost.

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>Rm. 210</td>
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</table>

## Compost Use in Agriculture, Horticulture and Landscaping. **Instructors: Drs. Monica Ozores-Hampton and Dr. David Cohn**

Once compost has passed regulatory health and safety standards, fruit, vegetable, ornamental and organic growers and producers are interested in potential benefits of its use. Appropriate compost utilization for agriculture, horticulture and landscape products must ensure a proper balance between organics, applied nutrients and the nutrients needs of the particular crop being produced. Consideration must also be given to potentially harmful effects such as plant phytotoxicity and the presence of heavy metals. Workshop participants will learn proper compost use for specific crops and other applications. Training will be based on composting principles and promote the improvement of soil physical, chemical and biological properties by the correct use of composts. To evaluate the effectiveness of the training, pre and post-tests will be administered before and after the training program.

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
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<tr>
<td>8:30 am – 4:30 pm</td>
<td>Rm. 201</td>
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## Aerated Static Pile Composting – Applications and Advancements. **Instructor: Peter Moon, P.E.**

This course is for experienced composters (municipal, farm, non-profit or for-profit) who would like to expand beyond the basics of leaf and yard waste composting into food residuals, manures, biosolids and other challenging materials. It is also the ideal class for those who want to convert a turned windrow system to an aerated static pile system to improve operating efficiencies, reduce off-site impacts from odors and increase processing capacity.

Participants will learn the differences among various aerated compost systems, how to determine fan size and piping, and procedures for constructing and monitoring an ASP System. Many examples of aerated compost systems will be discussed, ranging in size from 2.5 to 25,000 cubic yards and processing all varieties of organic by-products from municipal, institutional and agricultural sources. This workshop includes hands-on exercises, useful planning tools, and an open-discussion format to explore student’s specific needs.

**Pre-requisite:** USCC Foundations of Composting or similar basic compost operations course – recommended.

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<th>Time</th>
<th>Location</th>
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<tr>
<td>8:30 am – 4:00 pm</td>
<td>Rm. 202</td>
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## On-site and Institutional Composting. **Instruction: Case Studies and Tour Instructors: Lori Caldwell, Ellen Hopkins, Cheri Chastain, Jean Bonhotal and Peter Klach**

Close the loop on organics by composting on-site!! This course will discuss the benefits and answer your questions about on-site composting systems. Topics such as site placement, odor control, composting with food and food-soiled paper, compostable plastics and maintaining moisture balance in your systems will be covered. Case studies include Green Mountain Earthtub and Earthflow, Hot Rot, Ag Bag and Aerated Static Pile systems. A bus tour to view a variety of sites is included.

**Tour Highlights:**
- **Oakland Zoo:** Composting herbivore manure, soiled animal bedding and fruit and veggie scraps in the Ag-Bag system. Materials are used in landscape as well as vegetable gardens (food is grown for the animals using this finished material)
- **Masonic Home:** Composting yard waste, food scraps and food soiled paper in an Earth Flow System (GMT). Finished materials are used on the grounds and as part of a native plant restoration area
- **Little Hiils Ranch:** A venue for corporate events, picnics and weddings. Composting food scraps, yard waste and food soiled paper in an Earth Tub system (GMT). Finished product is used to amend park landscape (including two large softball fields), gardens for those who live on-site and some is given away to park employees.

**This tour will take place rain or shine, so please dress accordingly**

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<tr>
<th>Time</th>
<th>Location</th>
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<td>8:30 am – 4:30 pm</td>
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## What’s in YOUR Compost? How to Know and What to Put on Your Label. **Instructor: Ron Alexander**

Many composters test their compost products on an ongoing basis in order prove to their customers that they are producing a consistently high quality product. However, many composters do not know how to interpret their test data results. The ability to do so, allows composters to more effectively improve the quality of their product, better target their marketing efforts, and more effectively market/sell. The workshop will review the basic compost testing parameters, their importance and relevance to the soil and plants (interpretation), and the appropriate test ranges for particular applications and end users. Methods for adjusting specific compost characteristics will also be discussed. Time will also allow for composters to have a private review of their test results by the instructor.

The second half of the workshop will teach composters how to develop (and construct) legal compost labels. Providing the do’s and don’ts depending on whether it will be sold as a soil amendment or fertilizer. New trends in labeling, both positive and negative, will also be discussed, as will the typical list of allowable compost claims (product benefits) and labeling for sale in multiple states. Time will also allow for composters to have a private (preliminary) review of their current labels by the instructor.

<table>
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<th>Time</th>
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<tr>
<td>8:00 am – noon</td>
<td>Rm. 204</td>
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(continue to top)
### Zero Waste Events and Venues for the CRRA Professional Certification Program

This workshop will provide information and discuss odor management for various handling systems and control technologies for composting. Methods of odor assessment will be presented. Odor modeling and its value will be discussed. There have been several studies concerning odor as a potential public health issue. As a result there have been several legal actions against operators. This aspect will also be discussed.

Instructor: Michael Siminitus

Michael Siminitus has been greening events professionally since 2007 as the UC Davis Zero Waste Program Coordinator, where he led every UC Davis event and venue toward Zero Waste, including the Aggie Stadium. In 2008 he moved on to start Waste Busters, a business venture to bring Zero Waste practices to a wider audience and major special events. Waste Busters has grown into an award-winning event-greening program that supports major events like Bay to Breakers, major sporting events and a variety of music and art festivals with their composting and recycling program, as well a growing number of festivals with their new waste reduction program: Sudbusters, a high-volume reusable dish service.

As a California Resource Recovery Association (CRRA) Certified Resource Recovery Professional and member of the CRRA TC on Green Initiatives in Venues and Events (GIVE – Greenvenues.org), Michael Siminitus is able to share best practices with others in the field. He has also co-developed and is teaching an accredited course on Zero Waste Events and Venues for the CRRA Professional Certification Program.

### Compostable Plastics 101 - What Recycling Coordinators and Program Developers Need to Know

Plastics are a leading contaminant in composting operations. Traditional plastics do not disintegrate or biodegrade like food scraps, yard trimmings or other feedstocks. However over the past decade, new compostable alternatives have been developed to replace common plastics items, such as collection bags or foodservice items. These will disintegrate and biodegrade right along with the food scraps and yard waste.

The course will cover all aspects of compostable plastics and their value in helping to divert food scraps from institutions and households. The material will help participants understand the differences between compostable, biodegradable and traditional plastics. The discussion will touch on the importance of labeling, consumer education and other challenges relating to successful program implementation.

Ample time will be available for questions and dialogue.

This workshop sponsored by Biodegradable Products Institute

Instructor: Steve Mojo, Jack Macy, Mark Williams, Michele Young, and Christian Garaffa

### Management of Odor Issues at Compost Facilities

Food waste is wet, sloppy and very energetic, thus difficult to bring into existing yard debris or manure composting system without generating significant odors. This is the time to up your game and make process and facility changes that will assure that you are in control of the process, and understand the dynamics that can not only keep your neighbors happy, but also increase your rate of production, throughout and product quality.

This workshop will provide information and discuss odor management for various handling systems and control technologies for composting. Methods of odor assessment will be presented. Odor modeling and its value will be discussed. There have been several studies concerning odor as a potential public health issue. As a result there have been several legal actions against operators. This aspect will also be discussed.

Instructor: Scott Gamble and Todd Williams

### Planning and Implementing Organics Diversion for Arenas, Fairs, Festivals and Special Events

Instructor: Leslie Lukacs and Michael Siminitus

### Making Compost on and for Vineyards and Other Farms

Instructor: Bob Shaffer

### Using Compost in Vineyards and Other Orchards

Instructor: Bob Shaffer

### Building a Successful Biogas Project

Instructors: Bernie Sheff, Nora Goldstein, Ron Alexander and Paul Sellaw

Anaerobic digestion (AD) and compost are a natural marriage that fully capitalizes on your organic waste streams. This half-day workshop will teach you the best strategies to integrate composting and anaerobic digestion. You will learn from industry leaders who have firsthand knowledge on what works, what doesn’t and what common, and not so common, errors can occur.

What you will learn:
- Successful integration strategies
- Examples of composted AD projects/products
- Labeling and product qualities
- Market planning and product development

For additional information on the workshops, go to [http://compostingcouncil.org/workshops/](http://compostingcouncil.org/workshops/)

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USCC 22nd Annual Conference and Tradeshow
Full Schedule "At A Glance"

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P = Programs, Policy and Education  AD = Anaerobic Digestion  D = Diversion and Collection  U = Uses and Markets
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**Sunday, January 26 -- Workshops**

<table>
<thead>
<tr>
<th>Start time</th>
<th>Junior Ballroom 1/2</th>
<th>Grand Ballroom A/B/C/D</th>
<th>Grand Ballroom E/F/G/H</th>
<th>Junior Ballroom 3/4</th>
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<tbody>
<tr>
<td>7:30 AM</td>
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<tr>
<td>10:00 AM</td>
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<td>Morning Break in Exhibit Hall</td>
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<tr>
<td>10:45 AM</td>
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<td>Plenary</td>
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<td>12:15 PM</td>
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<td>Lunch Break (on your own)</td>
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<td>1:45 PM</td>
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<td>Afternoon Break in Exhibit Hall</td>
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<td>3:15 PM</td>
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<td>4:00 PM</td>
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<tr>
<td>6:00 PM</td>
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<td>Exhibitor’s Reception</td>
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**Monday, January 27**

- **Continental Breakfast in Exhibit Hall West**
- P1 The Key Role for Schools: Curriculum and Production Advancements
- C1 Feedstocks: Access, Opportunities and Testing Your Raw Materials
- AD1 Powering San Jose: 3 Perspectives on Developing a Public-Private AD System
- U1 Benefits of Composting and Compost for Haiti, India, Kuwait and the World

**Tuesday, January 28**

- **Continental Breakfast in Exhibit Hall**
- C4 Facility advancements: Harnessing Thermal Energy, Using Leachate, Learning from Mistakes
- D3 Residential organic collection: Multifamily, Dropoff and Water-based Case Studies
- U4 The Role and Benefits of Organic Matter

**Wednesday, January 29 -- Equipment Show and Demonstrations, Redwood Landfill, Novato, CA**

Shuttle busses depart hourly from Marriott Breakfast, Lunch, Safety Workshop, all included

*USCC reserves the right to make changes up to the day of the conference*