

**Waste Conversion Technology  
Conference & Trade Show**

**The 13th  
Waste Conversion  
Technology Conference &  
Trade Show  
(WCTC 2022)**

# **Moderator and Speaker Compendium**

August 10-12, 2022

The Dana on Mission Bay  
San Diego, California

Organized by:



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# WCTA

## Waste Conversion Technology Association

Our mission is to promote the conversion & responsible use of waste materials for energy & fuel applications.

### join our efforts | become a member

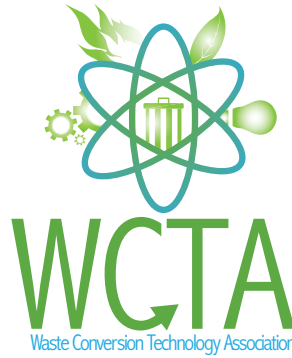
- The **WCTA** occupies the unique space between the private & public sectors to increase the demand, distribution infrastructure, & capacity for energy generation & the generation of transportation fuels such as ethanol, biodiesel, & other waste derived fuels such as syngas & biogas as well as fuels for heat, electric power generation & natural gas pipeline injection.
- The **WCTA** carries out its mission by providing forums for the public & private sectors to exchange ideas, strategies, & ultimately serve as an educational resource for the development of a sustainable waste to energy/fuel conversion technologies such as gasification, pyrolysis, plasma torch & anaerobic digestion.
- The **WCTA** coordinates with educational institutions in the dialogue of research & practical applications for delivering innovation with the goal of improving the economics of waste to renewable fuel & energy options.
- The **WCTA** assists waste conversion technology providers by enlisting the support of technical expertise to help quantify the environmental impact & carbon footprint as well as the technical & economic merits of waste conversion technology projects.

For More Information Contact Gene Jones at 850-386-6280  
or by email [gene@swixusa.org](mailto:gene@swixusa.org)  
[www.WasteConversion.org](http://www.WasteConversion.org)



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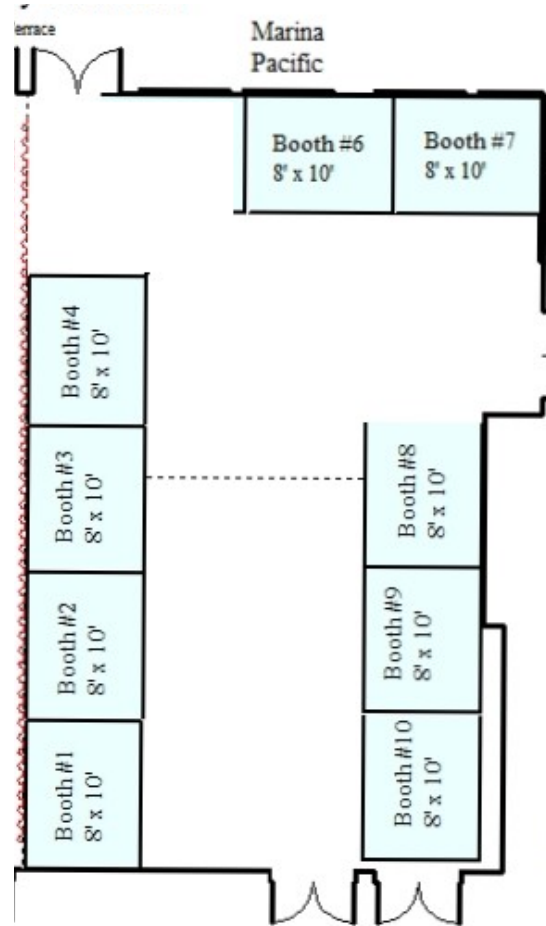


## List of Exhibitors

### Organization.....Booth #

Aplethora Vectors / Energy Tranaction Advisors.....	3
BMH Technology .....	4
Eco Waste Solutions .....	9
eFACTOR3, LLC .....	1
InnoWaCon, LLC .....	7
Juno.....	6
Macpresse Europa / MP North America, LLC....	8
SALMATEC GmbH.....	2
Solid Waste Association of North America (SWANA) .....	PF
Vecoplan.....	10

PF - Prefunction Area



### Key Exhibition Times

#### Wednesday, August 10, 2022

Exhibitor Setup: 2:00 pm - 5:00 pm

#### Thursday, August 11, 2022

Continental Breakfast: 7:15 am - 8:00 am

Refreshment Break: 10:00 am - 10:30 am

Lunch: 12:00 pm - 1:30 pm

Refreshment Break: 3:00 pm - 3:30 pm

Reception: 5:30 pm - 7:00 pm

#### Friday, August 12, 2022

Continental Breakfast: 7:45 am - 8:30 am

Refreshment Break: 10:00 am - 10:30 am

Exhibitor Breakdown: 10:30 am - 1:00 pm

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## Waste Conversion Technology Conference & Trade Show

### Agenda

#### Wednesday, August 10, 2022

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2:00 pm - 6:00 pm	Registration Open	Mission Bay Ballroom Foyer
2:00 pm - 5:00 pm	Exhibitor Set-up	Mission Bay Ballroom - Marina/Pacific
5:00 pm - 6:00 pm	Welcome Reception	Terrace

#### Thursday, August 11, 2022

=====

7:15 am - 7:00 pm	Registration Open	Mission Bay Ballroom Foyer
7:15 am - 8:00 am	Continental Breakfast: Exhibit Hall	Mission Bay Ballroom - Marina/Pacific
8:00 am - 10:00 am	<b>Opening Session:</b>	Mission Bay Ballroom - Sunset

Welcome: **Eugene (Gene) Jones**, Executive Director, Southern Waste Information eXchange, Inc.

Moderator: **Glen Tobiason**, President & CEO, InnoWaCon, LLC

#### **Keynote Address:**

#### ***Waste in the Spotlight – Creating Opportunities***

Timothy S Flanagan, Project Manager, SCS Engineers

#### ***A Snapshot of Diverse WTE Projects in Commercial Development in the USA***

Richard Olliver, Chairman & CEO, Aplethora Vectors

#### ***Developing a Waste Conversion Cluster***

Timothy E. Kelley, President/CEO, Imperial Valley Economic Development Corporation

#### ***California SB 1383 Organics Market Overview and the Benefits of Using High Solids Anaerobic Digestion to Process Commingled Organics***

Jim Philipps, Director Key Accounts, True North Renewable Energy, LLC

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## Thursday, August 11, 2022 (Continued)

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10:00 am - 10:30 am	Break: Exhibit Hall	Mission Bay Ballroom - Marina/Pacific
10:30 am - 12:00 pm	<b>Session I:</b> <b>Plastic Conversion Technologies:</b> <b>Where Are We Headed?</b>	Mission Bay Ballroom - Sunset
	Moderator: <b>Dr. Andrea Neal</b> , Ph.D.CEO, Blue Fuels Holdings, LLC	
	<i><b>Using Pyrolysis to Process Calorific Waste into Fuel</b></i> James Pfeiffer, Vice President of Special Projects, Green Waste Energy	
	<i><b>Accelerating a Circular Economy for Plastics with Advanced Recycling</b></i> Eric Hartz, President & Co-Founder, Nexus Circular	
	<i><b>Shell Chemicals and Sustainability</b></i> Dan Falla, Senior Technical Service Specialist, Shell Polymers	
12:00 pm - 1:30 pm	Lunch (Provided)	To Be Announced
1:30 pm - 3:00 pm	<b>Session - II</b> <b>General Waste Conversion Session</b>	Mission Bay Ballroom - Sunset
	Moderator: <b>Timothy E. Kelley</b> , President/CEO, Imperial Valley Economic Development Corporation	
	<i><b>Trends in Thermal Transformation Technologies</b></i> Melissa Leung, GECA Environment	
	<i><b>Converting Organic Content Laden MSW to High Methane Content Biogas and RDF</b></i> Glen Tobiason, President & CEO, InnoWaCon, LLC	
	<i><b>Demonstration of Fast Pyrolysis Technology to Make Bio-Oil and Biochar</b></i> Brian Gannon, Founder, Biogas Energy, Inc.	
3:00 pm - 3:30 pm	Break: Exhibit Hall	Mission Bay Ballroom - Marina/Pacific

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## Thursday, August 11, 2022 (Continued)

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3:30 pm - 5:00 pm

### **Session - III** **World of Waste Conversion:** **Panel Discussion**

Mission Bay Ballroom - Sunset

*A panel of experts representing 4 different types of waste conversion technologies will compare the strengths and limitations of each process and where they expect the technology to make the biggest impact and how. This will be followed by an interactive audience session that will bring the industries best minds together to focus on how to move waste conversion projects forward.*

Moderator: **Jean Lucas**, President CEO Eco Waste Solutions and Director of SWANA Waste Conversion and Energy Recovery Technical Division

#### **Panelists:**

**Glen Tobiason**, President & CEO, InnoWaCon, LLC

**Dan Falla**, Senior Technical Service Specialist, Shell Polymers

**Michael Kleist**, VP, Business Development and Marketing, Sierra Energy

**James Pfeiffer**, Vice President of Special Projects, Green Waste Energy

5:00 pm - 5:30 pm

### **SWANA Waste Conversion and Energy Recovery** **Technical Division Meet & Greet**

*Informal meet-up with leadership of SWANA's Waste Conversion and Energy Recovery (WCER) Technical Division (TD). Come to this brief meeting to learn more about SWANA'S WCER TD, what they are doing, and how you can get involved.*

Moderator: **Jean Lucas**, President CEO Eco Waste Solutions and Director of SWANA Waste Conversion and Energy Recovery Technical Division

5:30 pm - 7:00 pm

Reception: Exhibit Hall

Mission Bay Ballroom  
- Marina/Pacific

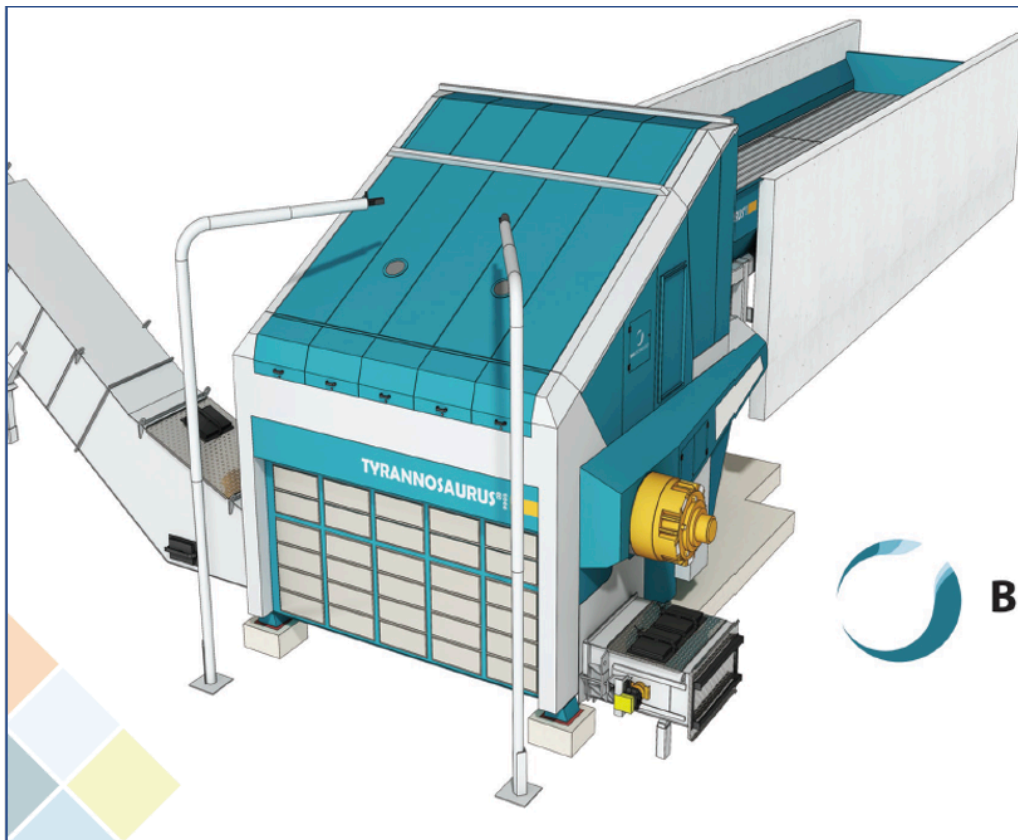



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Friday, August 12, 2022

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7:45 am - 12:00 pm	Registration Open	Mission Bay Ballroom Foyer
7:45 am - 8:30 am	Continental Breakfast: Exhibit Hall	Mission Bay Ballroom - Marina/Pacific
8:30 am - 10:00 am	<b>Session - IV</b> <b>A Review of Waste Conversion Technologies</b>	Mission Bay Ballroom - Sunset
	<i><b>Juno® Technology: Recovering Today, Repurposing Tomorrow</b></i> David McConnell, Director of Commercial Development, Juno® Technology	
	<i><b>Converting Waste to Profits and Products with FastOx Gasification</b></i> Michael Kleist, VP, Business Development and Marketing, Sierra Energy	
	<i><b>Advanced Decentralized Recycling: Environmentally Beneficial and Locally Based Recycling</b></i> Brian Bauer, CEO and Co-Founder, Resynergi, Inc.	
10:00 am - 10:30 am	Break: Exhibit Hall	Mission Bay Ballroom - Marina/Pacific
10:30 am - 12:00 pm	<b>Session - V</b> <b>Feedstock Processing for Waste Conversion Projects</b>	Mission Bay Ballroom - Sunset
	<i><b>Renewable Fuel: Ways To Do It</b></i> Hartmut Bendfeldt, President, eFACTOR3, LLC	
	<i><b>MSW Decontamination Methods to Improve Biofuel Yields</b></i> Rebecca Brown, Microbiologist, Idaho National Laboratory	
	<i><b>Preprocessing of Municipal Solid Waste Towards Thermal Insulating Material</b></i> Dr. Nepu Saha, Postdoctoral Research Associate, Idaho National Laboratory	
12:00 pm	Adjourn	
<b>Post Conference Virtual Presentation:</b>		
	<i><b>Obtaining Funding for Your Waste Conversion Related Business</b></i> David B. Wilkinson, Founder and President, The Investment Training Institute, LLC	

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**WEBSITES:** WasteTodayMagazine.com | RecyclingToday.com | CDRecycler.com

**E-NEWSLETTERS:** Recycling Today Weekly | Auto Shredder | Plastics Recycling Report | C&DR | Waste Today Weekly | Recycling Today Global Report

**CONFERENCES:** Paper & Plastics Recycling Conference N.A. | Paper & Plastics Recycling Conference E.U. | MRF Operations Forum | Corporate Growth Conference | Scrap Expo

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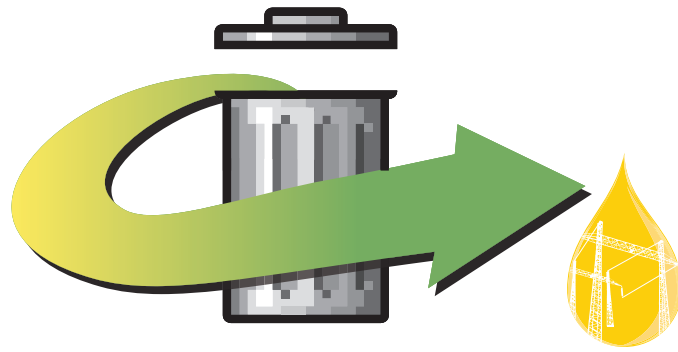
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## **Waste Conversion Technology Conference & Trade Show**

# **Moderator and Speaker Profiles**

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## EUGENE (GENE) JONES

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Eugene (Gene) Jones, CEO, Southern Waste Information eXchange, Inc. (SWIX) and Executive Director, Waste Conversion Technology Association, Inc.

### Bio:

Gene Jones serves as CEO of Southern Waste Information Exchange (SWIX), a non-profit organization which has been operating since 1981 assisting businesses and municipalities with their waste management issues.

In addition, Gene is a serial entrepreneur and brings over 40 years of experience with waste management and recycling in senior executive level positions. Over the past 40 years, he has successfully founded, built and sold several businesses including Environmental Management & Consulting Services, Inc., Advanced Derived Fuels, LLC, Hazardous Substance and Waste Management Research, Inc., Environmental Industry Conference Management, LLC, FieldClean of Florida, LLC, Lawncare Equipment Sales and Services, LLC, and his latest venture Florida Industrial Hemp Company, LLC.

Gene is based in Florida and specializes in building strategic relationships with waste recycling firms and brings a vast network of associations in the recycling sector from his work in organizing conferences such as;

### Conferences:

- the Agricultural Plastics Recycling Conference & Trade Show,
- the Waste Conversion Technology Conference & Trade Show,
- the Southeast Recycling Conference & Trade Show,
- the New Life for Closed Gas Stations Conference and Exhibition,
- the International Symposium on the Redevelopment of Manufactured Gas Plant Sites,
- the National Conference on Waste Exchange and Resource Reuse
- the PFAS Forum
- the Florida Remediation Conference
- the Florida Industrial Hemp Conference & Exhibition, and
- the Florida Medical Cannabis Conference & Exhibition.

### Associations:

- Waste Conversion Technology Association, Inc.
- Florida Agricultural Plastics Recycling Cooperative, Inc.
- Florida BioFuels & BioEnergy Association, Inc.,
- Recycle Florida Today, Inc.,
- International Society of Technical & Environmental Professionals, Inc.,
- Florida Brownfields Association, Inc., and
- Keep Florida Beautiful, Inc.

Gene is a Martial Arts practitioner and has his 8th degree black belt in Shaolin GoJu and a 5th degree black belt in Nisei GoJu. Gene is also the Author of [Instant Self-Esteem: Empowering Self-Confidence](#).

Gene is also the inventor of the [Soap Bag Saver](#), which he designed for the reuse of leftover soap bars.

## GLEN TOBIASON

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Glen Tobiason, President & CEO, InnoWaCon, LLC

### Bio:

Glen Tobiason has over twelve years of in-depth experience with the Maximum Yield Technology (MYT®) of the ZAK. Being fluent in both English and German, he has introduced the benefits of MYT® to various countries and cultures. Glen has now founded the InnoWaCon LLC to market this and other technologies in North America.

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## TIMOTHY S. FLANAGAN

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### Presentation Title:

#### ***Waste in the Spotlight – Creating Opportunities***

Timothy S. Flanagan, Project Manager, SCS Engineers

### Abstract:

Solid waste issues are being discussed in Congress, are highly visible in the media, and have become more relevant to many Americans. SWANA is the biggest association in the waste industry and is highly engaged in Washington DC and elsewhere. Recently elected SWANA President Tim Flanagan will explain how Climate Change, concerns about plastic pollution, and marine litter are creating new opportunities for everyone in the industry. Flanagan will discuss some of the key policy issues that SWANA is working on at EPA and on Capitol Hill.

### Bio:

Tim is a professional executive with extensive expertise developed working in key positions in the private and public sectors. He has championed and established cutting edge waste reduction and recycling programs as a skilled communicator and team leader, and has directed multi-state domestic and export recycling tonnage marketing and sales efforts through key strategic industry partnerships. He has successfully managed multi-million-dollar capital improvement projects for construction of new recycling and materials processing facilities, restoration projects, and key public works projects, from project design through California Environmental Quality Act (CEQA), permitting, and construction processes. Tim worked for WM for over 17 years, managing all levels of waste collection, recycling, transfer and processing operations. He also directed material sales for all the western United States for WM as their Western Region Director of Recycling.

While General Manager for the Monterey Regional Waste Management District (MRWMD), Tim was responsible for the District's mission and vision implementation, business development, revenue generation, and strategic planning process for environmental and financial sustainability. He directed all District operations and administrative affairs and represented the Board's policies and programs to employees, community organizations, and the general public. He also led major capital development with over \$50 million invested in state-of-the-art materials recovery facility (MRF) and truck yard and maintenance and compressed natural gas (CNG) fueling facility projects. Tim led District initiatives with local and regional community jurisdictions for compliance with state waste reduction and recovery mandates. Team Leadership direction was set to focus on developing long-term (20-year) capital planning and site development infrastructure to maintain MRWMD's industry leader position. He participated in many District planning and capital improvement projects, including coordination of construction functions and projects



# RICHARD OLLIVER



## Presentation Title:

### ***A Snapshot of Diverse WTE Projects in Commercial Development in the USA***

Richard Olliver, Chairman & CE, Aplethora Vectors

## Abstract:

Succinct, factual, non-promotional overview of 6-8 commercial scale WTE projects (gasification/pyrolysis), with diverse technologies, feeds & products, all in USA.

## Bio:

Mr. Olliver has over 40 years experience in the global energy and infrastructure industries. His current focus is on the Energy sector, with an emphasis on energy process technology commercialization consistent with the concepts of waste-to-energy (WTE), cleantech, green technologies, decarbonization, sustainability and the circular economy. He has served as a senior executive for several major international EPC firms for major capital projects in the hydrocarbon process and power industries. Mr. Olliver has participated in capital project developments, from concept through EPC and operation, of over \$50 Billion CAPEX, for oil & gas, oil refining, petrochemicals, power and gasification/syngas production. He is recognized globally as an authority on PYROLYSIS, GASIFICATION & SYNGAS GENERATION, and most recently has been engaged on work in the Renewable Energy sector, mainly biomass and waste conversion and disposal, to produce syngas and higher value products, including hydrogen, methanol and other derivatives. Mr. Olliver is Founder, President & CEO of Aplethora Energy Services based in Houston, Texas, USA, providing technical and commercial advisory services to owner operators in the oil & gas, refining, gasification and petrochemical arena. As such, his main thrust in the Energy industry is seeking cost effective solutions that provide significant value and accelerated positive outcomes for client organizations. The website is [www.aplethoraenergyservices.com](http://www.aplethoraenergyservices.com). Mr. Olliver has served on the Board of Advisors for the Engineering Construction Contractors group (ECC) and the Construction Industry Institute (CII). He is a member and technical advisor of the World Alliance for Decentralized Energy (WADE) in Washington, DC, a member of the Solid Waste Association of North America (SWANA), and a member and elected delegate of the Roundtable for Sustainable Biomaterials (RSB) in Zurich, Switzerland. He has a BSME in mechanical engineering from Lehigh University, and holds an MBA from Seton Hall University.

## TIMOTHY E. KELLEY

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### Presentation Title:

#### ***Presentation Title to be Submitted***

Timothy E. Kelley, President/CEO, Imperial Valley Economic Development Corporation

### Abstract:

To be submitted.

### Bio:

Timothy E. Kelley is the President and CEO of Imperial Valley Economic Development Corporation (IVEDC). As CEO, he is responsible for the effective execution of the region's strategic economic development plan and has implemented numerous local initiatives that strengthen the regional economic vitality. Tim's vision for the Imperial Valley comes from a comprehensive understanding of the Southwest border region and its effect on local, state, and global economies. His international experience comes from extensive travels and interactions with business and civic leaders in North America, Europe, Asia, Africa, and South America. He has also been successful in bringing foreign direct investment opportunities throughout the state of California. Tim is the President of the Board of Directors of TeamCalifornia, a statewide organization that promotes international trade and investment for California, a member of the U.S. Department of Commerce San Diego-Imperial District Export Council; and a member of the Board of Directors of Cleantech San Diego. In addition, Tim serves on several other boards and commissions related to economic development, workforce, and education, and serves as a member of the Imperial County Workforce Development Board, as well as chairman of their Business and Marketing Committee. Tim is also active in many civic and community-based organizations that promote sustainable economic prosperity in Imperial Valley. He is a past president and current board member of the Imperial Valley Community Foundation, secretary and treasurer of Imperial Valley Wellness Foundation, past president and current member of the Brawley Rotary Club, past chief executive, and current member of the Brawley Elks Lodge #1420. He serves as treasurer of the Brawley Community Foundation and chairman of the Brawley Airport Commission. In addition, he is responsible for Imperial Regional Alliance, Inc., a nonprofit organization that brings educational, financial, and employment opportunities to the Imperial Valley. Tim received a Bachelor's in Communications Arts and Sciences from the Annenberg School of Communications at the University of Southern California. Tim also holds many certificates and received recognition for his work in all aspects. Tim resides in Brawley, California with his wife, Marisa Kelley.

## JIM PHILIPPS



### Presentation Title:

***California SB 1383 Organics Market Overview and the Benefits of Using High Solids Anaerobic Digestion to Process Commingled Organics***

Jim Philipps, Director Key Accounts, True North Renewable Energy, LLC

### Abstract:

Overview of the California Organics market including the impact of SB 1383 legislation. What are the challenges of SB 1383 as it relates to processing and the implementation of AD technology? Review of High Solids AD Technology including key components of facility design and the benefits of using this technology over compost or other methods of processing organics.

### Bio:

Jim has been in the waste and recycling industry since 1990. Jim spent the first part of his career working for the hauling side of the business in operations, sales and recycling. Jim's passion for technology led him to working for companies that provided onboard computer technology and software to hauling companies to create operating efficiencies and improving customer service. Prior to joining TNRE Jim was the Executive Vice President and Chief Commercial Officer for six years at FleetGenius a leading service and equipment provider to the waste and recycling industry. Jim is now leading the sales and development efforts at True North Renewable Energy a leading developer of High Solids Anaerobic Digestion facilities in California.

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## DR. ANDREA NEAL

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Dr. Andrea Neal, Ph.D.CEO, Blue Fuels Holdings, LLC

### Bio:

Andrea Neal, Ph.D.: CEO and Board Member: Explorer, Scientist, and Entrepreneur, Dr. Neal has been at the forefront of Blue economy business and technology development for the last 20 years. Dr. Neal has been a senior executive and founder of four companies. Dr. Neal has been at the development forefront of blue circular economy models for monetization of non recyclable plastic, blue-energy production, and financing the clean-up of marine litter from the open ocean. Dr. Neal received a bachelor of science from Purdue University, and a Ph.D. from The Swedish University of Agricultural Sciences.



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## JAMES PFEIFFER

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### Presentation Title:

#### ***Using Pyrolysis to Process Calorific Waste into Fuel***

James Pfeiffer, Vice President of Special Projects, Green Waste Energy

### Abstract:

Green Waste Energy (GWE) has developed a system to process calorific waste into a synthetic gas (syngas) that is then cleaned and used as a fuel in engines to produce electricity. The process is referred to as C6. C6 can convert municipal solid waste (MSW), sewerage sludge, tires, biomass or any matter with a calorific value into a syngas. This is not an incineration system; this is pyrolysis of Btu laden waste into a syngas. The syngas can be further processed into liquid fuel via the Fischer-Tropsch process to create ultra low sulfur diesel (ULSD), naphtha and fuel oil or hydrogen.

### Bio:

James Pfeiffer is an investor in Green Waste Energy. In 2017 Pfeiffer took on the role of VP of Special Projects. He has been working to develop business for GWE while also working with state and federal government contacts to promulgate the green benefits of the energy generated via pyrolysis. Pfeiffer has presented the concept of extending the definition of clean energy solutions to county, state and foreign governments. Pfeiffer is a member of the Solid Waste Association of North America (SWANA) and is a member of SWANA's Conversion Technologies Technical Division. Green Waste Energy has perfected pyrolysis for processing calorific waste into a synthetic gas (syngas) that can be used as a fuel in Jenbacher engines to make electricity. Jenbacher has tested and approved our syngas as a suitable fuel source. If there is a sufficient volume of syngas, it can be converted into liquid fuels via a Fischer Tropes process.

## ERIC HARTZ



### Presentation Title:

#### ***Accelerating a Circular Economy for Plastics with Advanced Recycling***

Eric Hartz, President & Co-Founder, Nexus Circular

### Abstract:

Advanced recycling helps extract value from post-use plastics by converting them into their original building blocks, specialty chemicals, feedstocks for new chemicals and plastics, and other valuable products. Advanced recycling technologies complement ongoing recycling efforts and can help dramatically reduce the amount of waste sent to landfills while generating a diverse range of products. Nexus Circular is a leader in the industry working to educate and advocate on the behalf of Advanced Recycling technologies, that are also financially viable/scalable, therefore accelerating a circular economy that can help achieve the goal of eliminating plastic waste from our environment.

### Bio:

Eric brings 30 years of experience as a high-growth, high-tech entrepreneur and executive. Prior to Nexus, Eric co-founded and grew businesses in different sectors to successful exits: internet banking (S1 Corp – IPO then sold to RBC/PNC), digital credit (RentBureau sold to Experian) and consumer electronics. Previously, he was with McKinsey's Energy and Organization Performance Practices for the US, Europe and Asia and has advised other corporations. Currently, Eric serves in board and advisory roles with technology growth companies and non-profits. Eric earned economics and chemistry degrees from the University of Pennsylvania and holds an MBA from the Wharton School of Business.

## DAN FALLA

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### Presentation Title:

#### ***Shell Chemicals and Sustainability***

Dan Falla, Senior Technical Service Specialist, Shell Polymers

### Abstract:

During this presentation, government, consumer and Shell sustainability targets will be shared along with climate targets with initiatives related to energy efficiency, lower carbon energy sources. This will be enhanced with a discussion related to alternative feedstocks.

### Bio:

Dan Falla is the Senior Technical Service Specialist in Films at Shell Polymers. He is presently focused on waste plastic feedstock supply and chemical recycling. Dan has spent more than 30 years in polymers focused on specialty packaging and new business development. Dan has a Bachelor of Science in Chemistry from McMaster University, Bachelor of Commerce from the University of Windsor. During his career, Falla has earned US 19 patents with more published and pending, written numerous articles and presented many conferences and webinars. Dan is a Fellow with the Society of Plastics Engineers' (SPE) and Membership Chair with SPE Flexible Packaging Division and Councilor with the Recycle Division. He also recently received the prestigious Lifetime Achievement Award from the Canadian Plastics Industry Association.

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## TIMOTHY E. KELLEY

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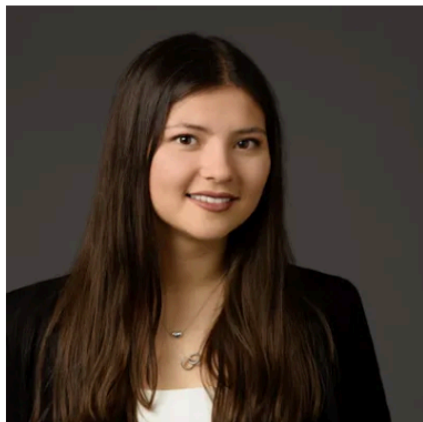
Timothy E. Kelley, President/CEO, Imperial Valley Economic Development Corporation

### Bio:

Timothy E. Kelley is the President and CEO of Imperial Valley Economic Development Corporation (IVEDC). As CEO, he is responsible for the effective execution of the region's strategic economic development plan and has implemented numerous local initiatives that strengthen the regional economic vitality. Tim's vision for the Imperial Valley comes from a comprehensive understanding of the Southwest border region and its effect on local, state, and global economies. His international experience comes from extensive travels and interactions with business and civic leaders in North America, Europe, Asia, Africa, and South America. He has also been successful in bringing foreign direct investment opportunities throughout the state of California. Tim is the President of the Board of Directors of TeamCalifornia, a statewide organization that promotes international trade and investment for California, a member of the U.S. Department of Commerce San Diego-Imperial District Export Council; and a member of the Board of Directors of Cleantech San Diego. In addition, Tim serves on several other boards and commissions related to economic development, workforce, and education, and serves as a member of the Imperial County Workforce Development Board, as well as chairman of their Business and Marketing Committee. Tim is also active in many civic and community-based organizations that promote sustainable economic prosperity in Imperial Valley. He is a past president and current board member of the Imperial Valley Community Foundation, secretary and treasurer of Imperial Valley Wellness Foundation, past president and current member of the Brawley Rotary Club, past chief executive, and current member of the Brawley Elks Lodge #1420. He serves as treasurer of the Brawley Community Foundation and chairman of the Brawley Airport Commission. In addition, he is responsible for Imperial Regional Alliance, Inc., a nonprofit organization that brings educational, financial, and employment opportunities to the Imperial Valley. Tim received a Bachelor's in Communications Arts and Sciences from the Annenberg School of Communications at the University of Southern California. Tim also holds many certificates and received recognition for his work in all aspects. Tim resides in Brawley, California with his wife, Marisa Kelley.

# MELISSA LEUNG

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## Presentation Title

### ***Trends in Thermal Transformation Technologies***

Melissa Leung, Director of Business Development & Carbon, GECA Environmental

## Abstract

There are hundreds of technologies that aim to transform carbonated wastes (plastics, biomasses, tyres and more) into renewable products. How do these technologies differ in the Canadian and USA markets? What are the important criteria to account for when selecting a potential technology? In this presentation, an overview of the technology offer will be presented with market trends and insights, such as regional attraction for pyrolysis/gasification/torrefaction projects. Additionally, selection methods will be discussed from a project development perspective. An emphasis will be made on technologies that are developed or made in North America.

## Bio

Melissa Leung has worked at GECA Environnement for about 3 years now. She wears many hats, including business development, consultant and marketing officer. The passion she carries for growth and learning has made her an important part of the team and has given her the tools to contribute to the continuous development of the company. Her goal is to successfully support the implementation of projects that are environmental, profitable and that have an added social and economic value.

## GLEN TOBIASON



### Presentation Title:

***Converting Organic Content Laden MSW to High Methane Content Biogas and RDF***

Glen Tobiason, President & CEO, InnoWaCon, LLC

### Abstract:

MSW, with a high content of organics can now be viably converted to a high-methane-content Biogas and RDF while removing recyclables and inert materials. This tried-and-proven viable MBT process is now available in N. America, is reliable and economical and achieves approx. 90% diversion from landfill. This presentation will show that this process is designed to fit the waste coming to, it flexible (allowing it to take various kinds of MSW) and scalable (more than 1,000 tons per day is possible) and producing high quality biogas and RDF.

### Bio:

Glen Tobiason has over twelve years of in-depth experience with the Maximum Yield Technology (MYT®) of the ZAK. Being fluent in both English and German, he has introduced the benefits of MYT® to various countries and cultures. Glen has now founded the InnoWaCon LLC to market this and other technologies in North America.



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## BRIAN GANNON

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### Presentation Title:

#### ***Demonstration of Fast Pyrolysis Technology to Make Bio-Oil and Biochar***

Brian Gannon, Founder, Biogas Energy, Inc.

### Abstract:

Biogas Energy installed a California Energy Commission-funded demonstration of fast pyrolysis technology that converts C&D wood waste, forest biomass waste, ag wood waste, and biosolids into bio-oil and biochar. We will describe the technology and present data collected from the project and outline a new low carbon fuel pathway from waste biomass. Video of system: <https://youtu.be/WvHudejcQIg> Video of bio-oil production: <https://youtu.be/No1rz3kFn8E>

### Bio:

Brian Gannon started Biogas Energy in 2008 and built two of California's earliest and most successful biogas projects, helping establish the RNG market. Biogas Energy has expanded to bio-oil production in recognition of the biomass waste opportunities in the USA that are orders of magnitude larger than dairy manure or food waste. Their demonstration pyrolysis facility in Roseville is California's first bio-oil production plant, converting 20 tons/day of waste into 1800 gallons per day bio-oil.

## WORLD OF WASTE CONVERSION: PANEL DISCUSSION



Moderator: Jean Lucas, President and CEO, Eco Waste Solutions and Director of SWANA Waste Conversion and Energy Recovery Technical Division

A panel of experts representing 4 different types of waste conversion technologies will compare the strengths and limitations of each process and where they expect the technology to make the biggest impact and how. This will be followed by an interactive audience session that will bring the industries best minds together to focus on how to move waste conversion projects forward.

Panelists:

Glen Tobiason, InnoWaCon, LLC

Dan Falla, Senior Technical Service Specialist, Shell Polymers

Michael Kleist, VP, Business Development and Marketing, Sierra Energy

James Pfeiffer, Vice President of Special Projects, Green Waste Energy

## JEAN LUCAS



Jean Lucas, President and CEO, Eco Waste Solutions and Director of SWANA Waste Conversion and Energy Recovery Technical Division

### Bio:

Part of Eco Waste for more than 20 years, Jean was critical in transforming the business from clean-tech startup to its current position as a global leader in environmental technology.

Her focus on finding better ways to manage waste and helping clients achieve strong environmental performance, has driven the development of innovative new products and technological improvements for EWS.

In the industry, Jean has a reputation as a thought leader with extensive knowledge and a commitment to client results, demonstrated by her high standards in product quality, processes and business practices.

She has a BSc in Environmental Science & Biology and has completed the Canadian Board Diversity Council Board of Directors Education Program and has a Financial Management Certificate from Cornell University.

Jean is the Vice-Director of the Waste-to-Energy Technical Division of SWANA (Solid Waste Association of North America), and Chair of its Conversion Technologies Committee; and is a member of ASME (American Society of Mechanical Engineers) – (RCEEW) (Research Committee on Energy, Environment and Waste); SAME (the Society of American Military Engineers); and is a Founder/Past President of Women in Mining Canada and a guest lecturer at Fleming College' Sustainable Waste Management Post-Graduate Program.

## GLEN TOBIASON



Glen Tobiason, President & CEO, InnoWaCon LLC

### Bio:

Glen Tobiason has over twelve years of in-depth experience with the Maximum Yield Technology (MYT®) of the ZAK. Being fluent in both English and German, he has introduced the benefits of MYT® to various countries and cultures. Glen has now founded the InnoWaCon LLC to market this and other technologies in North America.

## DAN FALLA

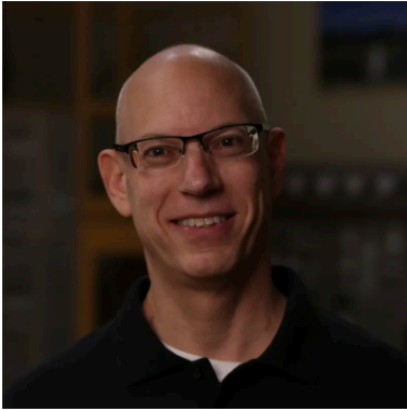


Dan Falla, Senior Technical Service Specialist, Shell Polymers

### Bio:

Dan Falla is the Senior Technical Service Specialist in Films at Shell Polymers. He is presently focused on waste plastic feedstock supply and chemical recycling. Dan has spent more than 30 years in polymers focused on specialty packaging and new business development. Dan has a Bachelor of Science in Chemistry from McMaster University, Bachelor of Commerce from the University of Windsor. During his career, Falla has earned US 19 patents with more published and pending, written numerous articles and presented many conferences and webinars. Dan is a Fellow with the Society of Plastics Engineers' (SPE) and Membership Chair with SPE Flexible Packaging Division and Councilor with the Recycle Division. He also recently received the prestigious Lifetime Achievement Award from the Canadian Plastics Industry Association.

## MICHAEL KLEIST



Michael Kleist, VP, Business Development and Marketing, Sierra Energy

### Bio:

Michael Kleist has more than 20-years' experience in business development and marketing including in the renewable energy and waste industries including over 6 years at Sierra Energy. Prior to joining Sierra Energy, he was the founder and COO of Tradesparq, a platform focused on international trade and licensing. He also has served as General Manager at Global Sources, a NASDAQ-listed company focused on global trade.

## JAMES PFEIFFER



James Pfeiffer, Vice President of Special Projects, Green Waste Energy

### Bio:

James Pfeiffer is an investor in Green Waste Energy. In 2017 Pfeiffer took on the role of VP of Special Projects. He has been working to develop business for GWE while also working with state and federal government contacts to promulgate the green benefits of the energy generated via pyrolysis. Pfeiffer has presented the concept of extending the definition of clean energy solutions to county, state and foreign governments. Pfeiffer is a member of the Solid Waste Association of North America (SWANA) and is a member of SWANA's Conversion Technologies Technical Division. Green Waste Energy has perfected pyrolysis for processing calorific waste into a synthetic gas (syngas) that can be used as a fuel in Jenbacher engines to make electricity. Jenbacher has tested and approved our syngas as a suitable fuel source. If there is a sufficient volume of syngas, it can be converted into liquid fuels via a Fischer Tropes process.

## DAVID MCCONNELL



### Presentation Title:

#### ***Juno® Technology: Recovering Today, Repurposing Tomorrow***

David McConnell, Director of Commercial Development – Juno® Technology, Georgia-Pacific

### Abstract:

Over 2 billion tons of waste is generated each year. World Bank estimates yearly waste will grow approximately 3.5 billion tons by 2050, bringing landfills ever closer to reaching capacity. Much of the waste that ends up in landfills or incinerators is paper, food waste and plastic that could be recycled and recovered. That is not happening today, largely because it is contaminated or difficult to separate.

Juno is helping to solve the growing waste crisis by giving materials that were once destined to be buried or burned, a second chance on life. Reclaiming what was previously unrecoverable, Juno's innovative and patented technology integrates into existing infrastructures to significantly increase recycling rates wherever it is deployed globally. Juno provides a solution to communities, businesses, and investors that want to help protect our most important resource, the planet.

Juno's first commercial scale installation opened in Toledo, Oregon in spring of 2021 – providing communities and waste generators in the Pacific Northwest options to move toward zero waste and reduce their carbon footprint. Juno has been able to increase the city of Toledo's waste diversion rate from 23% to 66%.

### Three key takeaways:

1. What Juno Technology is, how it works and how it fits in the current infrastructure
2. Recovered outputs and reuse of waste
3. Impact results from the first commercial facility

### Bio:

David McConnell joined Georgia-Pacific in 2019 to bring his waste industry expertise to the commercial development of Juno® Technology. He is responsible for creating opportunities for this new waste recovery technology that processes mixed commercial and residential waste to capture paper fiber, metals and plastics for their respective markets, can convert food to biogas, and ultimately diverts 70% to 90% of material processed from landfills and incinerators. He brings to this initiative more than 25 years of experience in the solid and hazardous waste industry across the U.S., Puerto Rico, Canada and Mexico. David lives in the metro Atlanta area and holds a bachelor of science degree in biochemistry from Louisiana State University.

## MICHAEL KLEIST

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### Presentation Title:

#### ***Converting Waste to Profits and Products with FastOx Gasification***

Michael Kleist, VP, Business Development and Marketing, Sierra Energy

### Abstract:

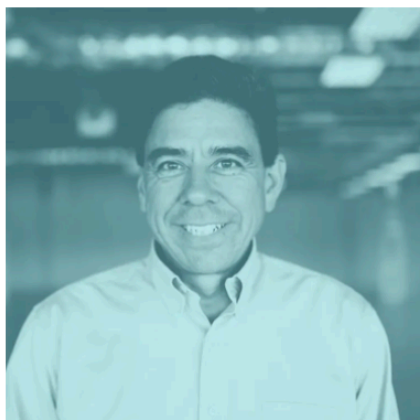
Waste gasification eliminates cost and liability and opens new revenue streams for waste producers and managers. Sierra Energy's FastOx® gasifier converts almost any waste stream, including hazardous materials, into renewable energy products such as hydrogen, diesel and electricity. FastOx® gasification diverts waste from landfills and reduces fossil fuel dependency, eliminating emissions from waste decomposition and fuel combustion. The first commercial scale FastOx® system, located on an Army base in Monterey, California, will process municipal solid waste and wood biomass from the site to produce energy products for their use. This plant is in the final stage of commissioning and will further prove the technology and provide valuable data for this emerging market. Gasification is the next step for the waste management industry. It can extend the life of a landfill, eliminate hazardous materials, and operate at a profit in areas with a high demand for energy products and a large supply of waste.

### Bio:

Michael Kleist has more than 20-years' experience in business development and marketing including in the renewable energy and waste industries including over 6 years at Sierra Energy. Prior to joining Sierra Energy, he was the founder and COO of Tradesparq, a platform focused on international trade and licensing. He also has served as General Manager at Global Sources, a NASDAQ-listed company focused on global trade.



## BRIAN BAUER



### Presentation Title:

#### ***Advanced Decentralized Recycling: Environmentally Beneficial and Locally Based Recycling***

Brian Bauer, CEO and Co-Founder, Resynergi, Inc.

### Abstract:

All pyrolysis processes are not the same. Responsible approaches 1) have reduced greenhouse gas emissions, 2) minimize public health impacts, and 3) reduce overall environmental impact. Using energy-efficient, low-emissions pyrolysis, we are able to convert traditionally non-recyclable plastics into profitable fuel and chemical feedstock for recycling to virgin plastic. Microwaves power our uniquely designed, compact system. Clean fuels produced by the Resynergi system are an alternative to refined oil products. Our low carbon intensity fuels are extracted from waste, not the earth.

### Bio:

Mr. Bauer played a key founding role at TriAccess Technologies, as Vice President of Sales and Marketing from inception to exit (acquired by TriQuint Semiconductor). Mr. Bauer was business unit manager at TriQuint, bringing the entity to market leadership and high profitability. (TriQuint acquired by Qorvo). Mr. Bauer has extensive experience marketing complex systems at major communications equipment manufacturers including Advanced Fibre Communications, Motorola, Gluon Networks, and NextLevel Communications. Mr. Bauer has established himself as a telecom industry leader, building sales and marketing programs covering over 50 countries globally, and now brings his stalwartness to the recycling and recovery space. Mr. Bauer graduated from Stanford University with a BS in Mechanical Engineering, and from UCLA Anderson School of Business Management.

# HARTMUT BENDFELDT

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## Presentation Title

### ***Renewable Fuel: Ways To Do It***

Hartmut Bendfeldt, President, eFACTOR3, LLC

## Abstract

Hartmut will share a review of technology available to produce fuel from various waste streams and what each specific application requires to ensure success

## Bio

Result driven Sales and Marketing Executive with over 20 years of sales experience in the European and North American Woodworking, Plastic, Waste and Recycling Industry.

Business to Business Sales know how combined with strong Engineering skills and hands on working experience offer a combination, which has been proven to deliver results.

### Experienced in:

Distribution Network  
Service  
Engineering  
Dealer Development  
Marketing  
Sales  
Business Development  
Customer Relation

### Specialties:

Woodworking  
Plastic Recycling  
Waste to Energy

## REBECCA BROWN



### Presentation Title:

#### ***MSW Decontamination Methods to Improve Biofuel Yields***

Rebecca Brown, Microbiologist, Idaho National Laboratory

### Abstract:

MSW is usually contaminated with a variety of undesirable materials (food, chemicals, glass, metal) that can impact downstream applications such as conversion to biofuels. This presentation will showcase two decontamination methods using either a detergent wash or an organic solvent extraction to demonstrate up to 30% increase in biofuel precursor yields for plastic and paper MSW. The economics of the two decontamination methods will also be presented.

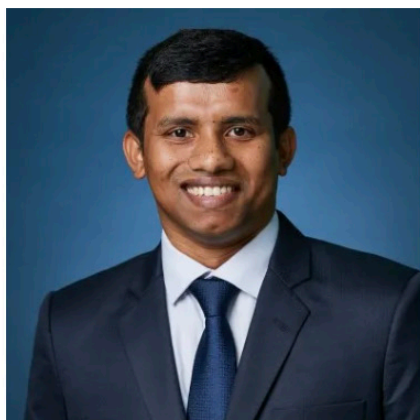
### Bio:

Rebecca Brown is a microbiologist at the Idaho National Laboratory working in the Bioprocessing group. She conducts research on preprocessing methods to improve quality of feedstocks such as municipal solid waste (MSW), corn stover, and forest residues. She is currently working on an MSW decontamination project funded by the Bioenergy Technologies Office that seeks to enable the conversion of MSW to biofuels.

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## DR. NEPU SAHA

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### Presentation Title:

***Preprocessing of Municipal Solid Waste Towards Thermal Insulating Material***

Dr. Nepu Saha, Postdoctoral Research Associate, Idaho National Laboratory

### Abstract:

This research focused on the feasibility of using the MSW as insulation material for the construction sector. The goal of this work was to determine the range of particle sizes, consolidation ratios, and component blends that can achieve insulation R-values within at least 70% that of traditional blown cellulose fiber.

### Bio:

Dr. Nepu Saha is a postdoctoral research associate at Idaho National Laboratory. He earned his doctorate in chemical engineering at Florida Institute of Technology in 2021. His research involves upgrading biomass to energy and advanced materials, deconstruction and recycling of biomass, municipal solid and plastic waste to biorefinery feedstock, and thermochemical conversions.

## DAVID WILKINSON



### Presentation Title:

#### ***Obtaining Funding for Your Waste Conversion Related Business***

David B. Wilkinson, Founder and President, The Investment Training Institute, LLC

### Abstract:

David B. Wilkinson, is an international businessman, corporate speaker and executive coach. His primary focus as an exponential growth catalyst allows him to ramp up revenues while restructuring companies to gain funding for expansion purposes. Obtaining Funding for Your Waste Conversion Related Business Keynote will reveal the Investor's Formula: 7 Criteria for Funding Your Organization.

### Bio:

Having launched over 20 companies and coached over 200 companies, David's expertise is in uncovering blockages to company growth. After doing so, creating unique strategies allows his clients to capture market share that shatter benchmarks. His passion to assist businesses looking for funding allows him to connect them with the correct debt, equity, M&A or Tokenization option. Until they are ready for funding, his proprietary Executive Coaching Program (ECP) equips business owners how to reach their full potential and mitigates burnout. He is the Founder & CEO of The Global Equipping Centre, Inc., The Co-Founder & Competitive Strategist of The Hemp Business Advisors, Inc., and The Founder & President of The Investment Training Institute, LLC. He can be reached at: [investments@davidbwilkinson.com](mailto:investments@davidbwilkinson.com)

# Waste Conversion Technology Conference & Trade Show (WCTC 2022)

## Program at a Glance

Wednesday, August 10, 2022		
2:00 pm - 6:00 pm	Registration Open	(Mission Bay Ballroom Foyer)
2:00 pm - 5:00 pm	Exhibitor Set up	(Mission Bay Ballroom - Marina/Pacific)
5:00 pm - 6:00 pm	Welcome Networking Reception	(Terrace)

Thursday, August 11, 2022		
7:15 am - 7:00 pm	Registration Open	(Mission Bay Ballroom Foyer)
7:15 am - 8:00 am	Continental Breakfast - Exhibit Hall	(Mission Bay Ballroom - Marina/Pacific)
8:00 am - 10:00 am	<b>Opening Session:</b>	(Mission Bay Ballroom - Sunset)
10:00 am - 10:30 am	Break - Exhibit Hall	(Mission Bay Ballroom - Marina/Pacific)
10:30 am - 12:00 pm	<b>Waste Conversion Technology Session - I Plastic Conversion Technologies: Where Are We Headed?</b>	(Mission Bay Ballroom - Sunset)
12:00 pm - 1:30 pm	Lunch - Provided	(To Be Announced)
1:30 pm - 3:00 pm	<b>Waste Conversion Technology Session - II</b>	(Mission Bay Ballroom - Sunset)
3:00 pm - 3:30 pm	Refreshment Break - Exhibit Hall	(Mission Bay Ballroom - Marina/Pacific)
3:30 pm - 5:00 pm	<b>Waste Conversion Technology Session - III World of Waste Conversion: Panel Discussion</b>	(Mission Bay Ballroom - Sunset)
5:00 pm - 5:30 pm	<b>SWANA Waste Conversion and Energy Recovery Technical Division Meet &amp; Greet</b>	(Mission Bay Ballroom - Sunset)
5:30 pm - 7:00 pm	Reception - Exhibit Hall	(Mission Bay Ballroom - Marina/Pacific)

Friday, August 12, 2022		
7:45 am - 12:00 pm	Registration Open	(Mission Bay Ballroom Foyer)
7:45 am - 8:30 am	Continental Breakfast - Exhibit Hall	(Mission Bay Ballroom - Marina/Pacific)
8:30 am - 10:00 am	<b>Waste Conversion Technologies Session - IV A Review of Waste Conversion Technologies</b>	(Mission Bay Ballroom - Sunset)
10:00 am - 10:30 am	Refreshment Break - Exhibit Hall	(Mission Bay Ballroom - Marina/Pacific)
10:30 am - 12:00 pm	<b>Waste Conversion Technology Session - V Feedstock Processing for Waste Conversion Projects</b>	(Mission Bay Ballroom - Sunset)
12:00 pm	Closing Comments and Adjournment	
10:30 am - 1:00 pm	Exhibitor Breakdown	