

Chemical Angel Network

Advanced Materials

For a Sustainable Future

Nov 18, 2021

Chemical
Angel
Network

Investor
Panel

Agenda

Resource
Panel

Registration

Presenting
companies

Sponsors

Apply to
Present

Agenda

November 18th

9:00am – 2:00pm Pacific

Advanced Materials

for a sustainable future

Keynote

A Fireside Chat – Inpria’s Success Story

Doug Keszler – Inpria Technology Innovator

John Wei – Applied Materials and Inpria Investor

Moderated by Maureen Rinkunas

Panel 1

Investing in
Advanced
Materials

Ed Greer (Moderator)

- Tony Sun – GC International
- Johanna Wolfson – Prime Impact Fund
- Coppelia Marincovic - Solvay
- Sarah Luppino – M Ventures
- Michael Mahan – Stanley Ventures

Panel 2

Entrepreneur
Resources

Sebastian Alamillo-Flakenberg – KPM Accelerate

- Eve Hanson – Third Derivative
- Tricia Compas-Markman – VentureWell
- Ken Malone – Materic LLC
- Nick Arnold – HG Ventures
- Matthew Heuft - Xerox

Company Presentations

NanoGraf

BERKM

eChemion

Advano

Stenco

ThruPore

Sionic Energy

Company Presentations

Osmoses

Nanode

Ecovia Renewables

Mito Material Solutions

Lakril Technologies

Edgehog Advanced Technology

Adaptive Surface Technologies

Keynote Address

9:00am – 10:00am
Pacific



Doug Keszler
co-founder Inpria
Distinguished Professor
of Chemistry Oregon
State University

Douglas A. Keszler, University Distinguished Professor of Chemistry at Oregon State University, leads research in inorganic materials chemistry. Interests have included high-power solid-state laser materials, phosphors, solar absorbers, transparent semiconductors, and EUV photoresists. He collaborated with members of the OSU-HP team to develop the transparent transistor and co-authored the textbook *Transparent Electronics*. He has served as Chemistry Department Head, Associate Dean for Research and Graduate Studies, and Director of the Center for Sustainable Materials, a Center for Chemical Innovation sponsored by the US National Science Foundation. He is co-founder of Inpria (acquired by JSR Corp), nexTC, and Phosio. His honors include the National ACS Award in the Chemistry of Materials.

Keynote Address

9:00am – 10:00am
Pacific

John Wei

Director
Applied Ventures



Dr. John Wei joined Applied Ventures in 2020. He focuses on a range of deep tech areas and industry verticals, including advanced materials, semiconductor manufacturing and industrial & enterprise software. He also manages Applied Ventures' investment activities in the Greater China region. Prior to joining Applied, John was a key member of the SABIC Ventures investment team, where he led multiple investments in advanced materials, energy, sustainability, manufacturing and agriculture space in North America, Europe and Greater China. Previously, John held various commercial and technical roles at The Linde Group and General Electric. John has a Bachelor's degree from Tsinghua University and a PhD from Rutgers University, both in Chemical Engineering. While at Rutgers, he also earned a Master's degree in Computer Science. In addition, John holds an MBA degree from UCLA with a focus in Finance and Entrepreneurship.

Keynote Moderator

9:00am – 10:00am
Pacific



Maureen Rinkunas
Managing Partner
CheMat Venture Partners

Maureen (Moe) Rinkunas bridges the gap between large organizations and the startup ecosystem. She is a Managing Partner with CheMat Venture Partners, a fund targeting seed and Series A investments in the green chemicals and renewable materials spaces. Additionally, she is building a portfolio of innovations in food ingredients, biochemicals, and green chemistry as the Director of Open Innovation at Corbion.

Previously, Moe has facilitated venture building and investment while at Coplex (a venture studio), DuPont Ventures (CVC), and Dreamit Ventures (a VC-backed accelerator). She also has extensive experience supporting new product launches and conducting due diligence for M&A in the pharmaceutical and biotechnology markets. Moe has both a BS and MS in Chemical Engineering as well as an MBA in Corporate Entrepreneurship, all from Lehigh University, and she is an active alumna across multiple initiatives..

Panel Discussion Investing in Advanced Materials

10:00am – 11:00am
Pacific

Ed Greer
Dow Ventures
Moderator



Edward Greer
Dow Ventures
Corporate Technology Scout Ventures and Business Development

Edward Greer is responsible for finding and evaluating technologies and opportunities that complement Dow's robust Research & Development pipeline and have the potential to contribute to the Company's long-term success. Dow seeks innovations that extract value from the intersection of chemical, physical, and biological sciences to help address many of the world's most challenging problems. Edward earned a B.S. in Chemistry with Honors from UNC-Chapel Hill and his Ph. D. in Analytical Chemistry from the University of Wisconsin-Madison. He holds a Certificate of Professional Development from the Wharton Executive Education program.



Tony Sun
PTT Global Chemical
Investment Director

Tony Sun is Investment Director at PTT Global Chemical, a \$20 billion petrochemical and material conglomerate headquartered in Thailand. Tony is responsible for developing and executing start-up investment strategies in focus areas like Advanced Material, Biotech/Life Science, Cleantech, and Industrial Digital. Prior to joining PTTGC, Tony was Lead Analyst at Lux Research, where he advised Global-1000 corporations, VCs, and government agencies on strategies in a range of deeptech innovations. Tony holds Ph.D. in Physics from Boston College and B.S. in Physics from Peking University.



Coppelia Marincovic
Solvay Ventures
Investment Manager

Coppelia is Investment Manager North America at Solvay Ventures, the venture capital fund of Solvay. She invests in start-ups in advanced materials, with a strong sustainability component: energy transition, sustainable resources, health & wellbeing and industry 4.0. Her prior experience in VC was at Sofinnova Partners, where she specialized in cleantech and industrial biology. Before joining Solvay Ventures, Coppelia was an Engagement Manager at McKinsey & Company and worked for start-ups in biotech and sustainability. Coppelia holds an MBA from INSEAD, MSc. in Environmental Sciences from Harvard University and MSc. in Chemistry from Chimie ParisTech.



Michael Mahan
Stanley Ventures
Managing Director

As Managing Director at Stanley Ventures, Mike is responsible for identifying innovation that is strategically relevant to Stanley Black & Decker. He works primarily with the Global Tools & Storage business unit scouting for technology that fuels product innovation for DeWALT, Craftsman, Stanley, Black & Decker and other iconic tool brands. He previously worked at startups in the Healthcare and Banking sectors for over 9 years prior to joining Stanley Ventures in 2016 upon its founding. Mike is based out of Atlanta, GA and his regional focus for Stanley Ventures is the Southeast and Midwest.



Johanna Wolfson
Prime Impact Fund
Co-founder & Principal

Dr. Johanna Wolfson is co-founder and Principal at Prime Impact Fund, with responsibility to identify and evaluate investment opportunities, serve on company boards, and manage investments toward business and impact goals. Johanna joined Prime Impact Fund from her role as Dir. of Technology-to-Market in the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (DOE EERE). Her work at DOE involved launching entrepreneurs and new businesses out of universities and National Labs and supporting early-stage start-ups with funding, training, and technical resources through management of Small Business Innovation Research and other programs.



Sarah Luppino
M Ventures
Associate

Dr. Sarah Luppino is an Associate at M Ventures, the strategic corporate venture capital arm of Merck KGaA, Darmstadt, Germany. She leads the team's efforts on sustainability investments, and also focuses on investments in digital and semiconductors. She earned her Ph.D. from MIT in chemistry, and also spent time working as a business strategy consultant and in startups in the nanotechnology and energy & sustainability sectors.

Panel Discussion Entrepreneur Resources

11:00am – 12:00pm
Pacific

Sebastian Alamillo-Falkenberg KPM-Accelerate Moderator



Sebastian Alamillo-Falkenberg
KPM-Accelerate
Senior Associate

[Sebastian](#) started his career by founding a chemistry-based cleantech start-up out of the University of Waterloo. Following the company's exit, he turned his attention to bridging the gap between the research/incubation stages and commercialization for deep-tech companies. Now, as the leader of [KPM-Accelerate](#), he works to accelerate chemical technology start-ups by integrating technical development, at the lab and pilot scale, with business strategy and financial modelling. His other roles as an investor, board member, and business architect allow him to help deep-tech start-ups, at any stage, bring the most impactful solutions to market.



Eve Hanson
Third Derivative
Industry Sector Lead

Eve has over a decade of experience in the materials, consulting, and climate tech arenas. She currently serves as the Industry Sector Lead for Third Derivative, a climate tech accelerator formed by Rocky Mountain Institute and New Energy Nexus. She is responsible for all sourcing and diligence of startups with the potential for significant climate impact in the industrial sector. An active member of the climate tech ecosystem, she has served as an advisor to battery and AI startups and supported numerous VC diligence efforts. A technologist at heart, Eve holds a BA in Chemistry from Princeton University and a PhD in Materials Science and Engineering from Northwestern University.



Tricia Compas-Markman
VentureWell
Program Officer

Tricia Compas-Markman is a Program Officer for VentureWell's early-stage innovator programs ranging from supporting teams in initial customer discovery to investment readiness. Previously, Tricia was the founder and CEO of DayOne Response, Inc., a startup focused on providing clean drinking water solutions to vulnerable communities. Tricia received her BS in Civil Engineering and MS in Civil/Environmental Engineering from California Polytechnic State University, San Luis Obispo. She is based in Oakland, CA and enjoys being outside hiking, backpacking, and kayaking with her husband and two children.



Ken Malone
Materic LLC
CEO

Ken Malone is the CEO of Materic LLC, a custom manufacturer of advanced materials. Materic is manufacturing materials of the future for a wide array of novel applications, including nanomaterials, 3D printing, specialty inks, controlled release, and specialty textiles. From his PhD in polymer science to a career building companies, Ken has co-founded over two dozen start-ups from university intellectual property. He builds companies and helps clients grow from his experiences in creative financing, finding and forming partnerships, marketing and any other challenge a materials startup can face.



Nick Arnold
HG Ventures
Corporate Technology Scout Ventures and Business Development

Nick Arnold is an Associate on HG Ventures' investment team. He actively sources new investment opportunities and supports all aspects of a transaction. His expertise lies in financial and strategic decision-making by leveraging his formal background in banking to help entrepreneurs capture untapped growth potential. Prior to HG Ventures, Nick worked for PNC Financial where he focused on corporate finance transactions spread broadly across commercial and industrial sectors and ranging from recapitalizations to project financings. Nick holds a BA in Econ. from Indiana Univ-Indy, an MS in Finance from Saint Xavier University, and an MBA in Entrepreneurship & Innovation from Butler University.



Matthew Heuft
Xerox Research Centre of Canada
Manager of Business Development

Matt is the Manager of Business Development for Xerox Research Centre's Client Services Business unit. He is co-inventor on more than 40 U.S. patents. His work has helped to bring new organic photoreceptor materials, printed electronics materials and a coatings platform to market. Matt's technical training includes an Honours B.Sc. in Applied Chemistry from the University of Waterloo, a Ph.D. in Organic Chemistry from the University of Ottawa and a NSERC postdoctoral fellowship at Harvard University. He has received numerous awards, including the Anne Mulcahy Inventor Award for creating a strategically important IP portfolio and Xerox Innovation Group Excellence Awards in 2010 and 2011.

Company Presentations Cohort 1

12:00pm – 1:00pm
Pacific



ADVANO

Shiva Adireddy
CEO & Co-founder
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Advano converts raw silicon, including scrap, into battery-grade silicon to drive increased energy density for nextgen batteries using patent-backed materials and technology.



Chip Breitenkamp, Ph.D.
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NanoGraf has developed the world's most energy dense battery cell using its proprietary, state-of-the-art silicon anode material and is onshoring production to support sales in early 2022.



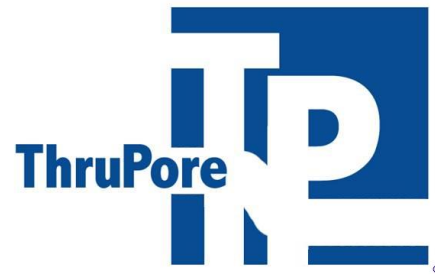
John G Brown
CEO, Founder
StenCo, LLC
C: 828-502-9854
www.stencollc.com

StenCo offers patent pending biodegradable and sustainable barrier coatings for the packaging industry



Bahruz Mammadov
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BERKM works on solving plastic pollution and food & beverage waste problems via its natural-clay-based additive technology that reduces the amount of plastic used per packaging (8-20%) and extends products shelf life (3X-5X).



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ThruPore Technologies, Inc. is a materials engineering company that uses porous carbon to enable transformative chemistry including the product Dr. Filter, an air filter coating capable of killing 99.99% of viruses and bacteria.



Bill Kesselring
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eChemion designs and sells revolutionary bipolar plates for use in energy storage products that improve performance while decreasing costs.



Ed Williams
CEO
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Sionic Energy is a developer of next generation Li-ion batteries launching a breakthrough high capacity silicon anode battery, addressing the urgent market demand for low-cost, high performance batteries in industries across consumer electronics and specialty markets with applications for the mobility and clean energy spaces on the horizon.

Company Presentations Cohort 2

1:00pm – 2:00pm
Pacific

AdaptiveSurface TECHNOLOGIES

David Ward, CEO
Adaptive Surface Technologies, Inc.
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Adaptive Surface Technologies, Inc (AST) is an industrial technology company that produces additives and coatings that repel fluids, contaminants, ice, and biological fouling across a wide range of industries.



Osmoses

Holden Lai
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Osmoses is developing gas separation membranes with exceptional selectivity to decarbonize the chemical industry and enable sustainable energy solutions.

Nanode

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President and CEO
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Nanode is revolutionizing battery anodes. Our innovative anode materials not only increase a battery's longevity by 50% but also are safer and less expensive.



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Ecovia Biopolymers are ingredients & materials created via fermentation. They are affordable, biobased, biodegradable alternatives to acrylates.



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We catalyze sustainability in chemical processes for bio-based acrylics by providing the highest yield process for catalytic dehydration of α -hydroxy acids.



Dr. Calvin Cheng
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Edgehog is commercializing the world's best anti-reflection surface for the glass of solar panels, increasing energy output by up to 12%.



Haley Marie Keith
Co-Founder & CEO
MITO Material Solutions
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MITO Material Solutions Inc. is revolutionizing composites with robust, simple-to-use additives that combine functional chemistry with scalable use for all industries.

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