

2024 ANNUAL MEETING



THERMOSET RESIN

TRFA

FORMULATORS ASSOCIATION

REGISTRATION BROCHURE

MONDAY, MAY 6 – THURSDAY, MAY 9, 2024

- *May 6th: Thermoplastic Polymers 101 for Thermoset Scientists Pre-Course*
- *May 9th: Strategic Market Analysis and Agile Stage-Gate Short Course*

Loews Philadelphia Hotel

1200 Market St, Philadelphia, PA 19107

Information regarding sponsorship and exhibitor opportunities can be found at:
<https://trfa.memberclicks.net/trfa-sponsors-and-exhibitors-prospectus>

TRFA 2024 Annual Meeting

Monday, May 6 – Thursday, May 9, 2024

Join Us in Philadelphia!

On behalf of the TRFA Board of Directors, Committee Chairs and the 2024 Annual Meeting Planning Committee, we are delighted to invite you to the Thermoset Resin Formulators Association (TRFA) 2024 Annual Meeting. This meeting is dedicated to bringing you the latest information and research in our industry.

We hope that you enjoy the 15+ groundbreaking technical papers, outstanding research from the Excellence in Thermoset Polymer Research Award recipients, a presentation on The Formula for Leadership Success, Dr. Jeff Gotro's Thermoplastic Polymers 101 pre-course and an amazing Short Course presented by Nicki Vo on Strategic Market Analysis and Agile Stage-Gate. You will also be able to meet and network with numerous suppliers and distributors - all providing the leading technology and equipment in the industry. Lastly, we leave some time for fun - a tour showcasing Philadelphia and two receptions to network and catch up with friends.

Please feel free to reach out with any questions. We look forward to welcoming you to Philadelphia!



Dave Woodcock
Chair, Thermoset Resin Formulators Association 2024 Annual Meeting



Jeremy Pasatta
President, Thermoset Resin Formulators Association

Hotel Information

Loews Philadelphia Hotel

1200 Market Street
Philadelphia, PA 19107

Room Details

Group Rates Available: May 5, 2024 through May 9, 2024
Guest Room Rates: Starting from \$239, plus tax.
Group Block Closes: April 11, 2024

Check in: 4:00 p.m.
Check out: 11:00 a.m.

Reservations

Room reservations can be made by calling 1-877-878-3629 and mentioning the TRFA 2024 Annual Meeting.

The deadline to reserve your room with the TRFA 2024 Annual Meeting rate is April 11, 2024.

Reserve Online: <https://www.loewshotels.com/philadelphia-hotel/group-trfa>

Travel Information

The Loews Philadelphia Hotel is home to an architectural landmark and Philadelphia Savings Fund Society (PSFS) building, the Four-Diamond Loews Philadelphia Hotel is a true classic and one of the nation's first modern skyscrapers. Directly across from the Pennsylvania Convention Center, the historic hotel is located in the heart of Center City and within walking distance of the Reading Terminal Market, Independence Hall, Philadelphia Museum of Art, and Barnes Foundation to name a few of the city's most popular attractions. We look forward to welcoming you to the City of Brotherly Love.

Travel By Air

The best airport to fly into is Philadelphia International Airport (PHL). The airport is approximately 15 miles from the Loews Philadelphia Hotel.

Parking

Valet parking is \$60.02 per night and is inclusive of tax (subject to change). Self-parking options are available within a two-block radius of the hotel but are not provided by the hotel. You can also text our Customer Engagement Center at 817-382-2988 to check for available packages that may include valet parking.

TRFA 2024 Annual Meeting

Monday, May 6 – Thursday, May 9, 2024

Schedule *(Detailed schedule will be available closer to the meeting.)*

Monday, May 6, 2024	
Time	Presentation
8:00AM - 6:00PM	Registration Open
9:00AM - 1:00PM	Pre-Course: Thermoplastic Polymers 101 for Thermoset Scientists (or Formulators) <i>Jeff Gotro, PhD, InnoCentrix (Additional fee required to attend)</i>
2:00 - 4:00PM	Walking Tour of Old City <i>(Additional fee required to attend)</i>
3:00 - 4:30PM	Tabletop Exhibit Setup
4:30 - 5:30PM	Board of Directors Meeting <i>(By Invitation Only)</i>
5:30 - 6:00PM	First Time Attendee Reception
6:00 - 8:00PM	Opening Reception

Tuesday, May 7, 2024	
Time	Presentation
7:30AM - 6:00PM	Registration Open
7:30 - 8:30AM	Continental Breakfast Available
8:30 - 8:40AM	Welcome Remarks <i>Jeremy Pasatta, President, Thermoset Resin Formulators Association</i> <i>Dave Woodcock, Chair, Thermoset Resin Formulators Association 2024 Annual Meeting</i>
8:40 - 9:10AM	Technical Paper #1
9:10 - 9:40AM	Technical Paper #2
9:40 - 10:10AM	Technical Paper #3
10:10 - 10:40AM	Break & Tabletop Showcase
10:40 - 11:10AM	Technical Paper #4
11:10 - 11:40AM	Technical Paper #5
11:40AM - 12:00PM	Technical Paper #6
12:10 - 1:10 PM	Tabletop Showcase Student Posters Lunch
1:10 - 1:40PM	Technical Paper #7
1:40 - 2:10PM	Technical Paper #8
2:10 - 2:40PM	Technical Paper #9
2:40 - 3:00 PM	Break & Tabletop Showcase
3:00 - 3:30PM	Technical Paper #10
3:30 - 4:00PM	Technical Paper #11
4:00 - 5:30PM	Unlock Your Leadership Identity
5:30 - 7:30PM	Tabletop Showcase and Student Posters Reception

Schedule continued on next page

TRFA 2024 Annual Meeting

Monday, May 6 – Thursday, May 9, 2024

Schedule *continued*

Wednesday, May 8, 2024	
Time	Presentation
7:30AM - 3:00PM	Registration Open
8:30 - 9:30AM	Research Award Paper
9:30 - 10:00 AM	Break & Tabletop Showcase
10:00 - 10:30 AM	Technical Paper #12
10:30 - 11:00 AM	Technical Paper #13
11:00 - 11:30 AM	Break & Tabletop Showcase
11:30 AM - 12:00 PM	Technical Paper #14
12:00 - 12:30 PM	Technical Paper #15
12:30 - 2:00PM	Lunch and General Membership Meeting
2:00 - 2:30PM	Technical Paper #17
2:30 - 3:00PM	Technical Paper #18
3:00 - 3:30PM	Technical Paper #19

Thursday, May 9, 2024	
Time	Presentation
9:00AM - 3:00PM	Short Course: Strategic Market Analysis and Agile Stage-Gate <i>Nicki Vo, NIVO Innovations (Additional fee required to attend)</i>

Optional Tour: Old City Philadelphia Walking Tour



Monday, May 6, 2024, 2:00 - 4:00PM

(Additional fee required to attend)

Overview

Philadelphia is widely regarded as one of America's most historically significant cities, and for good reason! This is the city where the Declaration of Independence and the US Constitution were born. It was Philly that served as America's capital before Washington DC even existed. Here is where the American flag was created, where Ben Franklin proved that lightning was electricity, and where the iconic Liberty Bell rang and cracked but endures as a symbol of freedom. These are just a few examples of how Philadelphia has helped shape the United States of America. Come and take a guided stroll through Independence National Park, along the cobblestone streets of Old City, past buildings, statues, and monuments, and through the history you think you know. Your local guide will separate the fact from the fiction and you will be amazed by Philadelphia's remarkable past.

Optional Courses

► Thermoplastic Polymers 101 for Thermoset Scientists Pre-Course

Presented By: **Jeff Gotro, PhD**, *InnoCentrix LLC*

Monday, May 6, 2024 | 9:00AM-1:00PM (Additional fee required to attend)

Overview

Introduction to thermoplastic polymers

- Types of thermoplastic polymers
- Linear, branched, short chain branched, long chain branched
- Amorphous versus semi-crystalline
- Liquid crystalline thermoplastics
- Molecular weight versus crosslinking
- Melting point (T_m) versus T_g
- Modulus versus temperature and impact of crosslinking and molecular weight
- Engineering Thermoplastics and Applications

Polyamides (nylon)

- Thermoplastic polyesters (PET/PBT)
- Polycarbonates
- Acrylics (polymethyl methacrylate, polyacrylonitrile)
- Fluoropolymers
- High performance resins (polysulfones, polyaryl ether ether ketones (PEEK), thermoplastic polyimides, polybenoxazoles (PBO))
- Thermoplastic Processing and Applications

Compression molding

- Extrusion
- Injection molding
- Composite processing using thermoplastics
- Comparison with thermoset processing, i.e. gelation and vitrification impacts on curing
- Rheological Properties of Thermoplastics

Definition of rheology

- Thermoplastic Rheology
- Rotational rheometry: Cone/ plate, parallel plate
- Viscosity versus shear rate, impact of molecular weight
- Differences between thermoplastic and thermosets
- Thermoplastic viscosity versus chemorheology of thermosets

About the Faculty

Jeff Gotro, PhD

Jeff has over thirty-eight years' experience in thermosetting polymers used in electronics having held scientific and leadership positions at IBM, AlliedSignal, Honeywell International, and Ablestik Laboratories. During his corporate life, Jeff developed a deep understanding of polymer science and became a nationally recognized authority in thermosetting polymers. He has received invitations to speak at prestigious Gordon Research Conferences (Thermosetting Polymers and Composites) and has presented numerous invited lectures, along with technical presentations and short courses at national technical conferences. Jeff was an Adjunct Professor at Syracuse University in the Dept. of Chemical Engineering and Materials Science from 1986- 1993. Jeff has published 60 technical papers (including 4 book chapters, one with Dr. Prime) in the field of polymeric materials for advanced electronic packaging applications and holds 15 issued US patents, and have 6 patents pending. Jeff has a Ph.D. in Materials Science from Northwestern University with a specialty in polymer science.

Visit the [InnoCentrix website](#).

View [Dr. Gotro's LinkedIn Profile](#).

Visit his [blog](#) to get tips and practical advice.



► Strategic Market Analysis and Agile Stage-Gate Short Course

Presented By: **Nicki Vo**, *NIVO Innovations*

Thursday, May 9, 2024 | 9:00AM-3:00PM (Additional fee required to attend)

Overview

Introduction to Strategic Market Analysis & the APEX Framework

- Analyze – Review the different strategic analysis tools & market research methods
- Plan – Developing North Star, metric indicators, resources, gaps, & the Execution Strategy
- Execute – Communicating, implementing, & iterating on the Execution Strategy for success.

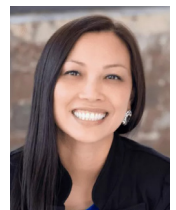
Introduction to Project Management, Stage-Gate, & Agile

- Stage-Gate fundamentals, roles & responsibilities, project charters, & priority matrices
- Agile fundamentals, roles & responsibilities, tools & systems
- Hybrid Agile Stage-Gate approach, implementation, best-practices, & challenges
- Psychological Safety history, benefits, & best practices

About the Faculty

Nicki Vo

Nicki Vo, an industry veteran with 18 years in Chemical Research & Development and an Executive MBA from a top-tier institution, is recognized for her exceptional achievements. She has led the launch of 65+ innovations, generating \$45+ million in revenue, reduced product launch times from 2 years to 6-9 months, and transformed teams in several companies. With expertise in developing cultures of innovation, leadership training, project management, business development, market analysis, and strategy, she brings profound and practical insights.



2024 TRFA Annual Meeting – Registration Form

Please register using this page or online at www.trfa.org

HOW TO REGISTER

- TRFA member companies, non-member companies, press, consultants, academics and spouse/companions are welcome to attend.
- Please complete the 2024 Annual Meeting Registration Form, including complete business address, phone and email. Indicate your method of payment. Payment in full in U.S. funds must accompany registration.
- Please complete the Event Registration indicating events you plan on attending.
- Trial Meeting Membership - If you took advantage of this program, TRFA Staff will reach out to you to coordinate registration for your one attendee.

- Technical Paper Presenters: If you are a member presenter, our staff will reach out to you to coordinate your discounted member presenter registration fee. Non-member presenters can register for the respective non-member rate, or reach out to our staff about joining the TRFA.

Register online or return forms via fax/mail to:

TRFA
6737 W. Washington St., Suite 4210
Milwaukee, WI 53214
Fax: 414-755-1346 • Phone: 414-488-3916 • www.trfa.org

Time is money! Register now and save! Attendees who register on or before April 1, 2024 pay Early Bird Registration Fees listed at left. Attendees registering after April 1, 2024 fees increase by \$100.

Refunds: Full meeting refunds may be obtained after the 2024 Annual Meeting only if TRFA is notified of the cancellation before Wednesday, April 24, 2024.

PERSONAL INFORMATION:

Company _____
Attendee Name _____
Title _____
Name Badge _____
Company Address _____
City _____
State _____ Zip _____
Phone _____ Fax _____
Email _____
Spouse/Companion Name _____
Spouse/Companion Name Badge _____

Please provide emergency contact information:

Name _____
Phone _____

Please provide any special dietary or accessibility needs:

EVENT REGISTRATION

Please indicate all events you (and your spouse/companion) will be attending and complete payment information. Meeting attendees are welcome to attend all functions including committee meetings and membership luncheon.
(A = Attendee, S = Spouse/Companion):

A / S MONDAY, MAY 6, 2024

- 9:00AM - 1:00PM: **Thermoplastic Polymers 101 Pre-Course** (Add'l Fee Required)
- 2:00PM - 4:00PM: **Old City Philadelphia Walking Tour** (Add'l Fee Required)
- 4:30PM - 5:30PM: **Board of Directors Meeting** (By Invitation Only)
- 5:30PM - 6:00PM: **1st Time Attendee Reception** (By Invitation Only)
- 6:00PM - 8:00PM: **Welcome Reception**

A / S TUESDAY, MAY 7, 2024

- 7:30AM - 8:30AM: **Continental Breakfast**
- 8:30AM - 10:10AM: **Technical Papers Session**
- 10:40AM - 12:10PM: **Technical Papers Session**
- 12:10PM - 1:10PM: **Lunch & Tabletop Showcase**
- 1:10PM - 2:40PM: **Technical Papers Session**
- 3:00PM - 4:00PM: **Technical Papers Session**
- 4:30PM - 5:30PM: **Unlock Your Leadership Identity**
- 5:30PM - 7:30PM: **Tabletop Showcase and Student Posters Reception**

A / S WEDNESDAY, MAY 8, 2024

- 8:30AM - 9:30AM: **Research Award Presentation(s)**
- 10:00AM - 11:00AM: **Technical Papers Session**
- 11:30AM - 12:30PM: **Technical Papers Session**
- 12:30PM - 2:00PM: **Luncheon and General Membership Meeting**
- 2:00PM - 3:30PM: **Technical Papers Session**

A / S THURSDAY, MAY 9, 2024

- 9:00AM - 3:00PM: **Strategic Market Analysis and Agile Stage-Gate Short Course** (Additional Fee Required; Lunch Included)

REGISTRATION FEES & PAYMENT: (All fees are in US Dollars)

After April 1, 2024 all registration fees increase by \$100.

Annual Meeting Member Registration Fees:

	Before 4/1	After 4/1	
Formulator Member	\$860	\$960	\$
Distributor Member	\$910	\$1,010	\$
Supplier Member	\$960	\$1,060	\$
Professional Services	\$460	\$560	\$
Retired Attendee	\$460	\$560	\$

Annual Meeting Non-Member Registration Fees:

Formulator	\$1,235	\$1,335	\$
Distributor	\$1,285	\$1,385	\$
Supplier	\$1,360	\$1,460	\$
Professional Services	\$560	\$660	\$
Student Attendee Discounted Fee	\$260	\$360	\$
Spouse/Companion	\$460	\$560	\$

Pre-Course Registration Fees:

Member Attending Annual Meeting ...	\$510	\$610	\$
Member Pre-Course ONLY	\$760	\$860	\$
Non-Mbr Attending Annual Meeting ..	\$610	\$710	\$
Non-Mbr Pre-Course ONLY	\$860	\$960	\$

Short Course Registration Fees:

Member Attending Annual Meeting ...	\$510	\$610	\$
Member Short Course ONLY	\$760	\$860	\$
Non-Mbr Attending Annual Meeting ..	\$610	\$710	\$
Non-Mbr Short Course ONLY	\$860	\$960	\$

Optional Event Registration Fees:

Old City Philadelphia Walking Tour	\$30	\$30	\$
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Total enclosed \$ _____

PAYMENT

Remit check payable to TRFA with completed registration form, or pay by credit card by filling out the information below and send to info@trfa.org or fax to: 414-755-1346.

- Check enclosed
- Charge to my:
 - VISA
 - MasterCard
 - Discover
 - AMEX

Cardholder Name _____

Card Number _____ Exp Date _____ CVV _____

Billing Address _____

Billing City/State/Zip _____

Cardholder Signature _____ Date _____

Please register online: www.trfa.org or remit payment to

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If you have any questions about your registration, please email info@trfa.org or call 414-488-3916