Welcome to the Global Conference & Exhibition for UV+EB Curing Technology

General Information
Conference Program
Floor Plans
Exhibitors

Presented by: RadTech 2016 Conference + Exhibition DIRECTORY

TABLE OF CONTENTS

2 General Information
4 Special Thanks
5 RadTech Officers and Staff
6 Planning Guide
10 Schedule of Events
11 Technical Conference Program
20 Exhibitor Booth Numbers
21 Hyatt Regency Floor Plans
22 Exhibit Floor Plan
24 Exhibitors Listing
45 Notes
Age Restriction
Due to insurance liability issues, no one under the age of 18 is permitted on the exhibit show floor at any time. Thank you for your cooperation. If you are under 21 and attending the show, you are forbidden to consume any alcoholic beverages at the receptions.

Badges
Your badge contains your name, company and location. The badge also indicates your registration type and allows access to the areas of the convention for which you are registered. The badge may contain more than one registration type.

Registration Types Include:

Full Conference—allows access to any Technical Conference session all week along. Also includes admission to the exhibition.
Monday Technical Conference—allows access to any Technical Conference session on Monday only. Also includes admission to the exhibition.
Tuesday Technical Conference—allows access to any Technical Conference session on Tuesday only. Also includes admission to the exhibition.
Wednesday Technical Conference—allows access to any Technical Conference session on Wednesday only. Also includes admission to the exhibition.
Exhibition Only—Allows you to attend the exhibition on all three days.

Monitors will be checking all badges and individual session tickets to verify attendance prior to entering all venues. Lost or forgotten badges may be replaced for a fee (see Policy under Lost/Forgotten Badges). Please remember to wear your badge at all times for access to RadTech 2016 events.

Conference Luncheons
Lunch for conference attendees will be held on the Exhibition Floor with additional seating right outside the Exhibit Hall. Admittance is by ticket only. If you are registered for the conference, you automatically receive lunch tickets.

Conference Proceedings
Full and One-Day Technical Conference attendees will receive a Technical Conference Proceedings Online Link to access the abstracts and papers.

Emergencies
Please report emergencies immediately to the Registration Desk.

Lost or Forgotten Badges
Lost or forgotten badges will be subject to a $35 replacement fee. Tickets for the conference luncheon are NON-REPLACEABLE!

Registration Hours/Express Check-In
Sunday, May 15 8 a.m.-7 p.m.
Monday, May 16 7 a.m.-6 p.m.
Tuesday, May 17 7 a.m.-6 p.m.
Wednesday, May 18 7 a.m.-12 p.m.

Exhibit Hours
The RadTech 2016 Exhibit Show Floor will be open during the following hours:

Monday, May 15 10 a.m.-6 p.m.
Tuesday, May 16 10 a.m.-6 p.m.
Wednesday, May 17 10 a.m.-2 p.m.
SPECIAL THANKS

RadTech International NA would like to extend a special thanks to the following individuals and companies for their efforts and support of RadTech 2016.

Technical Conference Review Committee
The following individuals served as the Technical Conference Review Committee, a daunting task. All technical conference papers were thoroughly reviewed by the committee for inclusion in the Technical Conference. The committee also was responsible for the selection of the Best Paper Award. This committee dedicated themselves to raise the standards of all Technical Conference Papers. RadTech thanks the following for all their volunteer efforts:

Molly Hladik, Chair, ACTEGA North America
Julie Jessop, University of Iowa
Joel Schall, Henkel
Chris Miller, Estron
Alexander Polykarpov, Akzo Nobel
Susan Bailey, IGM Resins
Mike Idacavage, Colorado Photopolymer Solutions

RadTech 2016 Sponsors
RadTech would like to thank and recognize our sponsors and partners that contributed to the success of RadTech UV&EB Technology Expo & Conference.

Alberdingk Boley, Inc.
Daicel (U.S.A.), Inc.
GEW UV
Kopp Glass
Miltec UV
Miwon Specialty Chemical
Sartomer Americas
Synasia Inc.

RADTECH OFFICERS AND STAFF

Officers
President
Peter Weissman
Quaker Chemical Corporation
Incoming President
Lisa Fine
Joules Angstrom UV Printing Inks
Secretary
Eileen Weber
Red Spot Paint & Varnish Co. Inc.
Treasurer
Paul Elias
Miwon Specialty Chemical Co. Ltd.
Immediate Past President
Don Duncan
Wikoff Color Corp.

Board Members
Jo Ann Arceneaux
Allnex USA Inc.
Richard Baird
The Boeing Company
Susan Bailey
IGM Resins
Mark Gordon
INX International Ink Co.
Jennifer Heathcote
Phoseon Technology
Joshua Lensbouer
Mannington Mills Inc.

George McGill
Zeller+Gmelin Corporation
Alex Polykarpov
Akzo-Nobel Coatings Inc.
Beth Rundlett
Katecho Inc.
Jeremy Teachman
Sun Chemical Corp.
Alrick Warner
Procter & Gamble
Xiaosong Wu
DSM Desotech Inc.

RadTech Staff
Executive Director
Gary Cohen
Senior Director
Micky Fortune

RadTech International North America
7720 Wisconsin Avenue, Suite 208
Bethesda, MD 20814
240-497-1242
www.radtech.org
### SUNDAY, MAY 15

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Registration/Express Check-In</td>
</tr>
<tr>
<td>8:30</td>
<td>Registration/Express Check-In</td>
</tr>
<tr>
<td>9:00</td>
<td>SHORT COURSES (Additional Fee Required)</td>
</tr>
<tr>
<td>9:00</td>
<td>1-5 p.m. UV/EB Professional Short Course (Undergraduate-Level)</td>
</tr>
<tr>
<td>9:30</td>
<td>1-5 p.m. Advanced Photopolymerization Topics (Graduate level)</td>
</tr>
<tr>
<td>10:00</td>
<td>1-5 p.m. All You Ever Wanted to Know (and More) About UV-C LED’s and Applications</td>
</tr>
<tr>
<td>11:00</td>
<td>1:00</td>
</tr>
<tr>
<td>11:30</td>
<td>1:30</td>
</tr>
<tr>
<td>12:00</td>
<td>2:00</td>
</tr>
<tr>
<td>12:30</td>
<td>2:30</td>
</tr>
<tr>
<td>1:00</td>
<td>3:00</td>
</tr>
<tr>
<td>1:30</td>
<td>3:30</td>
</tr>
<tr>
<td>2:00</td>
<td>4:00</td>
</tr>
<tr>
<td>2:30</td>
<td>4:30</td>
</tr>
<tr>
<td>3:00</td>
<td>5:00</td>
</tr>
<tr>
<td>3:30</td>
<td>5:30</td>
</tr>
<tr>
<td>4:00</td>
<td>6:00</td>
</tr>
<tr>
<td>4:30</td>
<td>6:30</td>
</tr>
<tr>
<td>5:00</td>
<td>7:00</td>
</tr>
<tr>
<td>5:30</td>
<td>7:30</td>
</tr>
<tr>
<td>6:00</td>
<td>8:00</td>
</tr>
<tr>
<td>6:30</td>
<td>8:30</td>
</tr>
</tbody>
</table>

### MONDAY, MAY 16

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Registration/Express Check-In</td>
</tr>
<tr>
<td>8:30</td>
<td>Registration/Express Check-In</td>
</tr>
<tr>
<td>9:00</td>
<td>8-10 a.m. 3D Printing Room Rosemont A</td>
</tr>
<tr>
<td>9:30</td>
<td>8-9:30 a.m. Formulation Room Rosemont B</td>
</tr>
<tr>
<td>10:00</td>
<td>9:30 a.m. FREE Introduction to the Basics of UV/EB Curing Room LAX A/B</td>
</tr>
<tr>
<td>10:30</td>
<td>10 a.m.-Noon Specialty Applications Room Rosemont A</td>
</tr>
<tr>
<td>11:00</td>
<td>10-11:30 a.m. Hardcoats Room Rosemont B</td>
</tr>
<tr>
<td>11:30</td>
<td>11 a.m.-Noon Advanced Technology for UV Wood Applications Room LAX A/B</td>
</tr>
<tr>
<td>12:00</td>
<td>LUNCH BREAK/VISIT SHOW FLOOR Noon-1 p.m.</td>
</tr>
<tr>
<td>1:00</td>
<td>1-3 p.m. Printing &amp; Packaging Room Rosemont A</td>
</tr>
<tr>
<td>1:30</td>
<td>1-2 p.m. Coatings Room LAX A/B</td>
</tr>
<tr>
<td>2:00</td>
<td>2-3 p.m. Panel Discussion: the Latest Advancements in 3D Printing Using UV Technologies Room Rosemont B</td>
</tr>
<tr>
<td>2:30</td>
<td>3-4:30 p.m. Digital Printing Room Rosemont A</td>
</tr>
<tr>
<td>3:00</td>
<td>3-5 p.m. UV Hydrogel Medical, Industrial, and Developing Applications Room DFW A/B</td>
</tr>
<tr>
<td>3:30</td>
<td>3-5 p.m. Adhesives Room LAX A/B</td>
</tr>
<tr>
<td>4:00</td>
<td>SHOW FLOOR RECEPTION Sponsored by Miwon Specialty Chemical Co. Ltd.</td>
</tr>
<tr>
<td>4:30</td>
<td>5-6 p.m.</td>
</tr>
<tr>
<td>5:00</td>
<td>SHORT COURSE (Additional Fee Required)</td>
</tr>
<tr>
<td>5:30</td>
<td>6-8 p.m. Design of Experiments for UV/EB Scientists and Engineers Part 1 Room DFW A/B</td>
</tr>
</tbody>
</table>

This is an overview spreadsheet of all events taking place. You can use this guide to plan which conference sessions you will attend and when you will visit the Show Floor. Technical sessions are shaded in purple, free sessions in green, short courses in orange and all others in yellow.
### TUESDAY, MAY 17

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00</td>
<td>Registration/Express Check-In</td>
<td>In 7 a.m.-Noon</td>
</tr>
<tr>
<td>7:30</td>
<td>Registration/Express Check-In</td>
<td></td>
</tr>
<tr>
<td>8:00</td>
<td>Advances in Electron Beam Equipment and Applications</td>
<td>Room: Rosemont B</td>
</tr>
<tr>
<td>8:30</td>
<td>Chemistry</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>9:00</td>
<td>9-9:30 a.m. FREE Introduction to the Basics of UV/EB Curing</td>
<td>Room: LAX A/B</td>
</tr>
<tr>
<td>9:30</td>
<td>New Product Debut I</td>
<td>Room: DFW A/B</td>
</tr>
<tr>
<td>10:00</td>
<td>Electron Beam Technology for Packaging Applications</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td></td>
<td>LUNCH BREAK/VISIT SHOW FLOOR</td>
<td>Noon-1 p.m.</td>
</tr>
<tr>
<td>1:00</td>
<td>Raw Materials 1</td>
<td>Room: LAX A/B</td>
</tr>
<tr>
<td>1:30</td>
<td>Deep UV LED</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>2:00</td>
<td>New Product Debut II</td>
<td>Room: DFW A/B</td>
</tr>
<tr>
<td>2:30</td>
<td>Raw Materials 2</td>
<td>Room: LAX A/B</td>
</tr>
<tr>
<td>3:00</td>
<td>Equipment</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>3:30</td>
<td>Design of Experiments for UV/EB Scientists and Engineers Part 2</td>
<td>Room: DFW A/B</td>
</tr>
<tr>
<td>4:00</td>
<td>2-3:30 p.m. FREE Food Packaging Panel</td>
<td>Room: Rosemont B</td>
</tr>
<tr>
<td>4:30</td>
<td>3-5 p.m. Free</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>5:00</td>
<td>PRESIDENT’S RECEPTION ON SHOW FLOOR</td>
<td>5-6 p.m.</td>
</tr>
<tr>
<td>5:30</td>
<td>EMERGING TECHNOLOGY AWARDS DINNER</td>
<td>6-8 p.m.</td>
</tr>
</tbody>
</table>

### WEDNESDAY, MAY 18

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00</td>
<td>Registration/Express Check-In</td>
<td>In 7 a.m.-Noon</td>
</tr>
<tr>
<td>7:30</td>
<td>Registration/Express Check-In</td>
<td></td>
</tr>
<tr>
<td>8:00</td>
<td>Low-Gloss / Haptic Coatings</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>8:30</td>
<td>Photoinitiator</td>
<td>Room: Rosemont B</td>
</tr>
<tr>
<td>9:00</td>
<td>10 a.m.-Noon Composites</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>9:30</td>
<td>10 a.m.-Noon Waterborne</td>
<td>Room: Rosemont B</td>
</tr>
<tr>
<td>10:00</td>
<td>10 a.m.-Noon</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>11:30</td>
<td>LUNCH BREAK/VISIT SHOW FLOOR</td>
<td>Noon-1 p.m.</td>
</tr>
<tr>
<td>1:00</td>
<td>Global Market Overview</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>1:30</td>
<td>Cure Studies</td>
<td>Room: Rosemont B</td>
</tr>
<tr>
<td>2:00</td>
<td>New Product Debut II</td>
<td>Room: DFW A/B</td>
</tr>
<tr>
<td>2:30</td>
<td>Food Packaging Panel</td>
<td>Room: Rosemont B</td>
</tr>
<tr>
<td>3:00</td>
<td>3-5 p.m. Free</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>3:30</td>
<td>3-5 p.m. Equipment</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>4:00</td>
<td>4-6 p.m.</td>
<td>Room: Rosemont A</td>
</tr>
<tr>
<td>4:30</td>
<td>abyemergentechologyawardsdinner</td>
<td>6-8 p.m.</td>
</tr>
</tbody>
</table>

**Short Courses and Technical Sessions**
- **Short Courses** are denoted by a yellow background and a `Short Courses` label.
- **Technical Sessions** are denoted by a teal background and a `Technical Sessions` label.
- **Free Sessions** are denoted by a green background and a `Free Sessions` label.
- **All Others** are denoted by a combination of yellow, teal, and green backgrounds.
The following schedule of events has been set for RadTech UV&EB 2016. Schedule is subject to change and update.

**Sunday, May 15, 2016**
8 a.m.-7 p.m. Registration Express Check-In
1-8:30 p.m. Short Courses

**Monday, May 16, 2016**
7 a.m.-6 p.m. Registration Express Check-In
8 a.m.-5 p.m. Conference Sessions
10 a.m.-6 p.m. Exhibits Open
12-1 p.m. Lunch Break/Visit Show Floor
5-6 p.m. Opening Reception on Show Floor
Sponsored by MIWON

**Tuesday, May 17, 2016**
7 a.m.-6 p.m. Registration Express Check-In
8 a.m.-5 p.m. Conference Sessions
10 a.m.-6 p.m. Exhibits Open
12-1 p.m. Lunch Break/Visit Show Floor
5-6 p.m. President’s Reception on Show Floor
6-8 p.m. Emerging Awards Dinner

**Wednesday, May 18, 2016**
7 a.m.-12 p.m. Registration Express Check-In
8 a.m.-2 p.m. Conference Sessions
10 a.m.-2 p.m. Exhibits Open
12-1 p.m. Lunch Break/Visit Show Floor
2 p.m. RadTech UV&EB 2016 Exhibition Closes
3 p.m. RadTech UV&EB 2016 Concludes

**Short Courses**
*Short Courses Require An Additional Fee*

**UV/EB Professional Short Course**
(Undergraduate-Level)
Room: Rosemont B
1-5 p.m.

**Advanced Photopolymerization Topics**
(Graduate level)
Room: LAX A/B
1-5 p.m.

**All You Ever Wanted to Know (and More) About UV-C LED’s and Applications**
Room: Rosemont A
1-5 p.m.

**Click Chemistry in Radiation Curing**
Room: LAX A/B
7-8:30 p.m.
The Rise of Digital Printing & Inert Coatings for Wood Applications
Roy Pagan, Cefla North America—Finishing Division
11:30 a.m.-Noon

UV/EB CURING FOR AUTOMOTIVE APPLICATIONS
Room: DFW A/B
Future Trends in Automotive Lightweighting
Chris Seubert, Ford Motor Company
10-10:30 a.m.

Cationic Curing of Automotive Coatings
Cynthia Templeman, Toyota Motor Engineering & Manufacturing NA
10:30-11 a.m.

PRINTING & PACKAGING
Room: Rosemont A
Recent Advances in Low Viscosity, Low Migration, Fast Curing UV/EB Resin Technology
Paul Share, BASF Corporation
1-1:30 p.m.

Functional Coatings to Enhance Decorative Packaging
Kristy Wagner, Red Spot
1:30-2 p.m.

A Prescription for Healthy UV Printing
Laura Maybaum, NAZDAR and Jim Raymont, EIT, NAZDAR inks and EIT Instrument Markets
2-2:30 p.m.

UV LED Curing in Production Printing Environments
Jennifer Heathcote, Phoseon Technology
2:30-3 p.m.

HARDCOATS
Room: Rosemont B
Investigation of Cure and Nanomechanical Properties of Weatherable UV-Cured Hardcoats
Jennifer David, Momentive Performance Materials
10-10:30 a.m.

Highly Reactive Thin Film Hardcoats for Plastics
Marcus Hutchins, Allnex
10:30-11 a.m.

UV Curable Hard Coats Mediated with Thiolis
Qiang Hu
11-11:30 a.m.

ADVANCED TECHNOLOGY FOR UV WOOD APPLICATIONS
Room: LAX A/B
UV LED for Wood Applications
Mike Higgins, Phoseon
11-11:30 a.m.
TECHNICAL CONFERENCE PROGRAM

MONDAY, MAY 16

DIGITAL PRINTING
Room: Rosemont A
Advances in Inkjet Printing Demanding Changes in Chemistry
Dene Taylor, SPF-Inc.
3:30-4 p.m.
How the Selection of Raw Materials can Impact Print Speeds in Digital Printing
Dev Nagyekar, BASF
3:30-4 p.m.
Challenges of Replacing Automated Screen Printing of Plastic Parts with UV Curable Singlepass Inkjet
Paul Beliveau, Fujifilm Dimatix
4-4:30 p.m.

ADHESIVES
Room: LAX A/B
Radiation Curable Pressure Sensitive Adhesives
Jin Lu, Arkema Inc., Sartomer Business
3:30-4 p.m.
Formulating a UV-Cure Pressure Sensitive Adhesive for PVC Foam Tapes and Converting an Oven-Dry Water-Borne Material Using an LED Lamp Cure System
Brian Chambers, Novagard Solutions
3:30-4 p.m.
Fine Art Applications Using Pigmented UV Adhesives
Sidney Hutter, Sidney Hutter Glass & Light Inc.
4-4:30 p.m.
Goldilocks and the UV Curable PSAs
Lisa Castillo, KIWO Adhesives and Jim Raymont, EIT Instrument Markets
4:30-5 p.m.

UV HYDROGEL, MEDICAL, INDUSTRIAL, AND DEVELOPING APPLICATIONS
Room: DFW A/B
The Design and Application of Hydrogels
Beth Rundlett, Katecho
3-3:30 p.m.
UV Patterning of Cells in Microfluidic Devices for Tissue Engineering
Christiane Nguyen, University of Connecticut
3:30-4 p.m.
Nanostructured Hydrogels through Photopolymerization in Lyotropic Liquid Crystals
Allan Guymon, University of Iowa
4-4:30 p.m.
Novel Hydrogel Beads and Fiber
Robin Wright, 3M
4:30-5 p.m.

Short Course
Short Courses Require An Additional Fee
Design of Experiments for UV/EB Scientists and Engineers Part 1
Room: DFW A/B
6:30-9 p.m.

TECHNICAL CONFERENCE PROGRAM

TUESDAY, MAY 17

INTRODUCTION TO THE BASICS OF UV/EB CURING
This Session is Free to All RadTech 2016 Attendees
Room: LAX A/B
Introduction to the Basics of UV/EB Curing
Michael Idacavage, Colorado Photopolymer Solutions
9-9:30 a.m.

CHEMISTRY
Room: Rosemont A
Functional Monodisperse Microparticles from Thiol-Michael Dispersion Polymerizations
Chen Wang, University of Colorado Boulder
8-8:30 a.m.
Controlled Monomer Architecture for Property Enhancement in Photocured Thin Films
Jon Scholte, University of Iowa
8:30-9 a.m.
An Easy Way To Adjust The Properties Of Epoxy In Cationic Photopolymerization
Rong Bao, Tronly New Electronic Materials Cooperation
9-9:30 a.m.

ADVANCES IN ELECTRON BEAM EQUIPMENT AND APPLICATIONS
Room: Rosemont B
New Ebeam Systems Incorporating Compact Sealed Ebeam Lamps
Karl Swanson, PCT Engineered Systems
8-8:30 a.m.
Ebeam Inkjet Technology for Low Migration Digital Printing Applications
Lawrence Gamblin, Collins Inkjet
8:30-9 a.m.
Novel Technology of Electron Beam Curing in Vacuum
Mikhail Luksin, IdecOn LLC and Dante Ferrari, Celplast Metallized Products
9-9:30 a.m.
Cleveland Steel Container Case Study: UV/EB Metal Coil Coating for Steel Containers
William Parish, Cleveland Steel Container
9:30-10 a.m.

NEW PRODUCT DEBUT I
This Session is Free to All RadTech 2016 Attendees
Room: DFW A/B
New Leading Edge UV LED Lamps from Phoseon Technology in 2016
Mike Higgins, Phoseon Technology
9-9:15 a.m.
Custom Synthesis of Photo-Initiators for Specialty Applications
Mike Wyrostek, Hampford Research
9:15-9:30 a.m.
UV Inerting Chambers
Jim McCusker, Honle UV America, Inc.
9:30-9:45 a.m.
Glass UV
Jim Creveling, Toyota Gosei North America
9:45-10:00 a.m.
New Ebeam Systems: Shrinking Footprint, Growing Presence
Karl Swanson, PCT Engineered Systems
10-10:15 a.m.
New Raw Materials for UV LEDs and Other Applications
William Mahon, Miwon Specialty Chemical Co., Ltd.
10:15-10:30 a.m.
Glass Optics Mix UVA, B, and C LED Wavelengths to Replicate Mercury Spectrum and Optimize Lighting Systems by Increasing Irradiance and Improving Uniformity
Brian Jasenak, Kopp Glass
10:30-10:45 a.m.
RHINO ArcLED UV: Breaking the LED Investment Paradigm
Brian Wenger, GEW, Inc.
10:45-11 a.m.
Nichia New High Power UV-LEDs
Daita Yahiro, Nichia
11-11:15 a.m.
New Plasma Surface Treater Technology
Ryan Schuelke, Enercon Industries
11:15-11:30 a.m.

DIGITAL PRINTING
Room: Rosemont A
Advances in Inkjet Printing Demanding Changes in Chemistry
Dene Taylor, SPF-Inc.
3:30-4 p.m.
How the Selection of Raw Materials can Impact Print Speeds in Digital Printing
Dev Nagyekar, BASF
3:30-4 p.m.
Challenges of Replacing Automated Screen Printing of Plastic Parts with UV Curable Singlepass Inkjet
Paul Beliveau, Fujifilm Dimatix
4-4:30 p.m.

ADHESIVES
Room: LAX A/B
Radiation Curable Pressure Sensitive Adhesives
Jin Lu, Arkema Inc., Sartomer Business
3:30-4 p.m.
Formulating a UV-Cure Pressure Sensitive Adhesive for PVC Foam Tapes and Converting an Oven-Dry Water-Borne Material Using an LED Lamp Cure System
Brian Chambers, Novagard Solutions
3:30-4 p.m.
Fine Art Applications Using Pigmented UV Adhesives
Sidney Hutter, Sidney Hutter Glass & Light Inc.
4-4:30 p.m.
Goldilocks and the UV Curable PSAs
Lisa Castillo, KIWO Adhesives and Jim Raymont, EIT Instrument Markets
4:30-5 p.m.

UV HYDROGEL, MEDICAL, INDUSTRIAL, AND DEVELOPING APPLICATIONS
Room: DFW A/B
The Design and Application of Hydrogels
Beth Rundlett, Katecho
3-3:30 p.m.
UV Patterning of Cells in Microfluidic Devices for Tissue Engineering
Christiane Nguyen, University of Connecticut
3:30-4 p.m.
Nanostructured Hydrogels through Photopolymerization in Lyotropic Liquid Crystals
Allan Guymon, University of Iowa
4-4:30 p.m.
Novel Hydrogel Beads and Fiber
Robin Wright, 3M
4:30-5 p.m.

Short Course
Short Courses Require An Additional Fee
Design of Experiments for UV/EB Scientists and Engineers Part 1
Room: DFW A/B
6:30-9 p.m.

TECHNICAL CONFERENCE PROGRAM

TUESDAY, MAY 17

INTRODUCTION TO THE BASICS OF UV/EB CURING
This Session is Free to All RadTech 2016 Attendees
Room: LAX A/B
Introduction to the Basics of UV/EB Curing
Michael Idacavage, Colorado Photopolymer Solutions
9-9:30 a.m.

CHEMISTRY
Room: Rosemont A
Functional Monodisperse Microparticles from Thiol-Michael Dispersion Polymerizations
Chen Wang, University of Colorado Boulder
8-8:30 a.m.
Controlled Monomer Architecture for Property Enhancement in Photocured Thin Films
Jon Scholte, University of Iowa
8:30-9 a.m.
An Easy Way To Adjust The Properties Of Epoxy In Cationic Photopolymerization
Rong Bao, Tronly New Electronic Materials Cooperation
9-9:30 a.m.

ADVANCES IN ELECTRON BEAM EQUIPMENT AND APPLICATIONS
Room: Rosemont B
New Ebeam Systems Incorporating Compact Sealed Ebeam Lamps
Karl Swanson, PCT Engineered Systems
8-8:30 a.m.
Ebeam Inkjet Technology for Low Migration Digital Printing Applications
Lawrence Gamblin, Collins Inkjet
8:30-9 a.m.
Novel Technology of Electron Beam Curing in Vacuum
Mikhail Luksin, IdecOn LLC and Dante Ferrari, Celplast Metallized Products
9-9:30 a.m.
Cleveland Steel Container Case Study: UV/EB Metal Coil Coating for Steel Containers
William Parish, Cleveland Steel Container
9:30-10 a.m.

NEW PRODUCT DEBUT I
This Session is Free to All RadTech 2016 Attendees
Room: DFW A/B
New Leading Edge UV LED Lamps from Phoseon Technology in 2016
Mike Higgins, Phoseon Technology
9-9:15 a.m.
Custom Synthesis of Photo-Initiators for Specialty Applications
Mike Wyrostek, Hampford Research
9:15-9:30 a.m.
UV Inerting Chambers
Jim McCusker, Honle UV America, Inc.
9:30-9:45 a.m.
Glass UV
Jim Creveling, Toyota Gosei North America
9:45-10:00 a.m.
New Ebeam Systems: Shrinking Footprint, Growing Presence
Karl Swanson, PCT Engineered Systems
10-10:15 a.m.
New Raw Materials for UV LEDs and Other Applications
William Mahon, Miwon Specialty Chemical Co., Ltd.
10:15-10:30 a.m.
Glass Optics Mix UVA, B, and C LED Wavelengths to Replicate Mercury Spectrum and Optimize Lighting Systems by Increasing Irradiance and Improving Uniformity
Brian Jasenak, Kopp Glass
10:30-10:45 a.m.
RHINO ArcLED UV: Breaking the LED Investment Paradigm
Brian Wenger, GEW, Inc.
10:45-11 a.m.
Nichia New High Power UV-LEDs
Daita Yahiro, Nichia
11-11:15 a.m.
New Plasma Surface Treater Technology
Ryan Schuelke, Enercon Industries
11:15-11:30 a.m.
RAHN’s Two New Versatile Polyether Acrylates
Michael Gould, RAHN USA Corp.
11:30-11:45 a.m.
A New and Versatile Waterborne UV Resin with Improved Stability
Oliver Nohr, Alberdingk Boley, Inc.
11:45 a.m.-Noon
ELECTRON BEAM TECHNOLOGY FOR PACKAGING APPLICATIONS
Room: Rosemont A
Ebeam Sterilization of Medical and Food Packaging Enabled by Compact Ebeam Lamp Technology
Steen Kreinbrink, Comet Group
10-10:30 a.m.
Advances in Wide Web Ebeam Flexible Packaging Printing
David Biro, Sun Chemical
10:30-11 a.m.
Electron Beam Crosslinking of Polyolefin Films for Various Packaging Applications
Im Rangwalla, Energy Sciences Inc.
11-11:30 a.m.
Applying EB-Flexo Ink Technologies to the Food Packaging Industry
Todd Fayne, PepsiCo
11:30 a.m.-Noon
EHS & REGULATORY
Room: Rosemont B
Stay Competitive and in Compliance with UV+EB
Rita Loof, RadTech
10-10:30 a.m.
Working with UV Curable 3D Printing—Safety and Handling
Michael Idacavage, Colorado Photopolymer Solutions
10:30-11 a.m.
US Regulatory Updates: Implications for the UV/EB Industry
Brigitte Lindner, RAHN USA Corp.
11-11:30 a.m.
RAW MATERIALS 1
Room: LAX A/B
Oligomer Solutions for UV Curable Inkjet and 3D Printing Applications
Jo Ann Arceneaux, PhD, Allnex
1-1:30 p.m.
Dendritic Oligomers for LED Curable Formulations
James Aerykssen, Dymax Oligomers & Coatings
1:30-2 p.m.
New Developments in UV Curable Laminating Adhesives—Formulating for Enhanced Adhesion and Service Properties
Michael Bailey, Sartomer Americas
2-2:30 p.m.
DEEP UV LED
Room: Rosemont A
Improving Surface Cure with UVC LEDs
Mike Kay, Excelitas
1-1:30 p.m.
UV Curable Formulations for Deep UV LEDs
Haruyuki Okamura, Osaka Prefecture University
1:30-2 p.m.
Fundamental aspects of Deep UV light emitting diodes and failure reduction of LEDs grown on AlN Substrates
Rajul Randive, and Leo J. Schowalter, Crystal IS
2-2:30 p.m.
FOOD PACKAGING PANEL
Room: Rosemont B
2-3:30 p.m.
Panelists will discuss migration definitions, limits, testing, and the various approaches among countries and regions in addressing migration concerns; safety issues versus customer perception will also be explored.
Panelists Include:
Dr. Stephen Klump, Nestlé
Nick Ivory, Sun Chemical
Peter Walther, Siegwerk
Don Duncan, Wikoff Color Corp.
George G. Misko, Keller & Heckman LLP
TECHNICAL CONFERENCE PROGRAM

LOW-GLOSS / HAPTIC COATINGS
Room: Rosemont A
Matting Energy-Curable Coating Through Novel Dispersant Technology
Rebecca (Becca) Banton, Evonik Corporation
8-8:30 a.m.

How Does It Feel? Recent Advances in UV-Curable Soft Touch Coatings.
Lisa Spagnola, Sartomer Americas
8:30-9 a.m.

A Versatile Binder for Ultra-Matte Effect Coatings
Jonathan Shaw, PhD, Allnex
9-9:30 a.m.

PHOTOINITIATOR
Room: Rosemont B
Innovations in Photoinitiator Technology for LED Applications
Mike Wyrostek, Hampford Research
8-8:30 a.m.

Design of New 3-Ketocoumarins for UV LED Curing
Marika Morone, IGM Resins
8:30-9 a.m.

Cationic UV Curable Silicone Release Coatings: Historical Perspective and New Formulation Tools
Richard Eckberg, Momentive Performance Materials
9-9:30 a.m.

Boosting the Cure of Phosphine Oxide Photoinitiators. Sensitisation Or Synergy?
W. A. Green, Great Lakes Fine Chemicals (Retired)
9:30-10:00 a.m.

COMPOSITES
Room: Rosemont A
Energy Conservation in Carbon Fiber Composite Curing
Mark S. Driscoll, Ph.D., SUNY College of Environmental Science and Forestry
10-10:30 a.m.

Visible Light Curing of Fiberglass-Reinforced Ballistic Panels
Yunyun Bi, SUNY ESF
10:30-11 a.m.

Advancements in Transparent Ultrafine Mineral Filler Technologies for UV/EB Performance, Economics and Cure Rate
Scott Van Remortel, Unimin Corp.
11-11:30 a.m.

Design of a Blue LED Array for Curing Fiberglass-Reinforced Composite
Mark S. Driscoll, SUNY ESF
11:30 a.m.-Noon

WATERBORNE
Room: Rosemont B
Innovative Water-Based UV Resins for Exterior Applications
Laurie Morris, Alberdingk Boley, Inc.
10-10:30 a.m.

Electron Beam Curing Properties of Water-Based Monomer and Polymer Materials
Stephen Lapin, PCT Engineered Systems
10:30-11 a.m.

Coalescence and Film Formation Properties of Aqueous UV-Curable PUDs and Oligomers Prior to UV Light Exposure
Ronald Obie, Wood Coatings Research Group
11-11:30 a.m.

New UV-Puds Showing Good Chemical Resistance
Rami Awad, Miwon Specialty Chemical Co., Ltd.
11:30 a.m.-Noon
# EXHIBITOR BOOTH NUMBERS

<table>
<thead>
<tr>
<th>Exhibitor</th>
<th>Booth#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aal Chem</td>
<td>615</td>
</tr>
<tr>
<td>ACTEGA North America</td>
<td>418</td>
</tr>
<tr>
<td>Alberdingk Boley, Inc.</td>
<td>517</td>
</tr>
<tr>
<td>Allnex</td>
<td>301</td>
</tr>
<tr>
<td>American Ultraviolet</td>
<td>601</td>
</tr>
<tr>
<td>BASF Corporation</td>
<td>807</td>
</tr>
<tr>
<td>BYK Adhesives &amp; Instruments</td>
<td>410</td>
</tr>
<tr>
<td>CB Mills Division of Chicago Boiler Co.</td>
<td>820</td>
</tr>
<tr>
<td>CFCM Magazine</td>
<td>417</td>
</tr>
<tr>
<td>Changzhou Trony New Electronic Materials Co., Ltd.</td>
<td>808</td>
</tr>
<tr>
<td>Chitec Technology Co., Ltd.</td>
<td>607</td>
</tr>
<tr>
<td>Clearstone Technologies</td>
<td>212</td>
</tr>
<tr>
<td>Coatings World Magazine</td>
<td>214</td>
</tr>
<tr>
<td>Collins Inkjet</td>
<td>715</td>
</tr>
<tr>
<td>Colorado Photopolymer Solutions</td>
<td>304</td>
</tr>
<tr>
<td>Converting Quarterly Magazine</td>
<td>814</td>
</tr>
<tr>
<td>Daicel (U.S.A.), Inc.</td>
<td>318</td>
</tr>
<tr>
<td>Digital Light Lab</td>
<td>618</td>
</tr>
<tr>
<td>DSM</td>
<td>311</td>
</tr>
<tr>
<td>Dymax Oligomers &amp; Coatings</td>
<td>411</td>
</tr>
<tr>
<td>Dyna-Tech Adhesives</td>
<td>202</td>
</tr>
<tr>
<td>EIT Instrument Markets</td>
<td>309</td>
</tr>
<tr>
<td>Enercon Industries Corporation</td>
<td>721</td>
</tr>
<tr>
<td>Energy Sciences Inc.</td>
<td>813</td>
</tr>
<tr>
<td>Evonik Corporation</td>
<td>419</td>
</tr>
<tr>
<td>Excelsitas Technologies (OmniCure*)</td>
<td>713</td>
</tr>
<tr>
<td>FlackTek, Inc.</td>
<td>415</td>
</tr>
<tr>
<td>GEW, Inc.</td>
<td>308</td>
</tr>
<tr>
<td>Guangdong Bossin Novel Materials Technology Co. Ltd.</td>
<td>319</td>
</tr>
<tr>
<td>Hamamatsu Corporation</td>
<td>519</td>
</tr>
<tr>
<td>Hampford Research</td>
<td>200</td>
</tr>
<tr>
<td>Heraeus Noblelight America LLC</td>
<td>401</td>
</tr>
<tr>
<td>High Power Lighting Corp.</td>
<td>201</td>
</tr>
<tr>
<td>Honle UV America</td>
<td>300</td>
</tr>
<tr>
<td>IGM Resins</td>
<td>213</td>
</tr>
<tr>
<td>Ink World Magazine</td>
<td>214</td>
</tr>
<tr>
<td>Innovations In Optics, Inc.</td>
<td>414</td>
</tr>
<tr>
<td>Integration Technology Ltd./IST America</td>
<td>321</td>
</tr>
<tr>
<td>IRTronix, Inc.</td>
<td>709</td>
</tr>
<tr>
<td>Isuzu Glass, Inc.</td>
<td>306</td>
</tr>
<tr>
<td>Jelight Company</td>
<td>819</td>
</tr>
<tr>
<td>Keyland Polymer</td>
<td>209</td>
</tr>
<tr>
<td>Kopp Glass</td>
<td>714</td>
</tr>
<tr>
<td>Kowa</td>
<td>220</td>
</tr>
<tr>
<td>Kromachem Inc.</td>
<td>407</td>
</tr>
<tr>
<td>Lambson Ltd.</td>
<td>412</td>
</tr>
<tr>
<td>LED Specialists Inc.</td>
<td>719</td>
</tr>
<tr>
<td>Marubeni America Corporation</td>
<td>219</td>
</tr>
<tr>
<td>Melrob US Inc.</td>
<td>205</td>
</tr>
<tr>
<td>METTLER TOLEDO</td>
<td>421</td>
</tr>
<tr>
<td>Miltex UV</td>
<td>707</td>
</tr>
<tr>
<td>Miwon Specialty Chemical Co., Ltd.</td>
<td>701</td>
</tr>
<tr>
<td>MPD Chemicals</td>
<td>320</td>
</tr>
<tr>
<td>NAGASE</td>
<td>718</td>
</tr>
<tr>
<td>Nedap Light Controls</td>
<td>613</td>
</tr>
<tr>
<td>NETZSCH Instruments North America, LLC</td>
<td>521</td>
</tr>
<tr>
<td>NICHA Corporation</td>
<td>204</td>
</tr>
<tr>
<td>Nordson Corporation</td>
<td>210</td>
</tr>
<tr>
<td>Opsytec Dr. Gröbel GmbH</td>
<td>720</td>
</tr>
<tr>
<td>Paint &amp; Coatings Industry</td>
<td>315</td>
</tr>
<tr>
<td>PCT Engineered Systems/ebeam Technologies</td>
<td>801</td>
</tr>
<tr>
<td>Phoseon Technology</td>
<td>716</td>
</tr>
<tr>
<td>PL Industries, division of Esstech, Inc.</td>
<td>510</td>
</tr>
<tr>
<td>Porex Corporation</td>
<td>420</td>
</tr>
<tr>
<td>Prime Coatings</td>
<td>717</td>
</tr>
<tr>
<td>Printed Electronics Now</td>
<td>214</td>
</tr>
<tr>
<td>PROCHEMA Handelsgesellschaft m.b.H.</td>
<td>221</td>
</tr>
<tr>
<td>rad-solutions ILC</td>
<td>206</td>
</tr>
<tr>
<td>RadTech—The Association for UV &amp; EB Technology</td>
<td>816</td>
</tr>
<tr>
<td>RAHN USA Corporation</td>
<td>509</td>
</tr>
<tr>
<td>Red Spot Paint &amp; Varnish Co., Inc.</td>
<td>514</td>
</tr>
<tr>
<td>Rodman Media</td>
<td>214</td>
</tr>
<tr>
<td>Sartomer Americas</td>
<td>501</td>
</tr>
<tr>
<td>Seoul Viosys Co., Ltd.</td>
<td>203</td>
</tr>
<tr>
<td>Shamrock Technologies</td>
<td>207</td>
</tr>
<tr>
<td>Siltech Corporation</td>
<td>621</td>
</tr>
<tr>
<td>SolidUV</td>
<td>208</td>
</tr>
<tr>
<td>Spectra Group Limited, Inc.</td>
<td>518</td>
</tr>
<tr>
<td>Strathmore Products</td>
<td>508</td>
</tr>
<tr>
<td>Sunlight Science &amp; Technology, Inc.</td>
<td>409</td>
</tr>
<tr>
<td>Sustainable Green Printing Partnership</td>
<td>818</td>
</tr>
<tr>
<td>Synasia Inc.</td>
<td>520</td>
</tr>
<tr>
<td>Toyoda Gosei</td>
<td>416</td>
</tr>
<tr>
<td>Unimin Specialty Minerals, Inc.</td>
<td>317</td>
</tr>
<tr>
<td>Ushio America</td>
<td>620</td>
</tr>
<tr>
<td>UV Chem-Keys Co., Ltd.</td>
<td>810</td>
</tr>
<tr>
<td>UV+EB Technology Magazine</td>
<td>814</td>
</tr>
<tr>
<td>Zhejiang Yangfan New Materials Co., Ltd.</td>
<td>619</td>
</tr>
</tbody>
</table>

## HYATT REGENCY FLOOR PLANS

### HYATT REGENCY O’HARE | CHICAGO, ILL.

#### Entry Level

#### Lobby Level
## LISTING OF EXHIBITORS

<table>
<thead>
<tr>
<th>Company</th>
<th>Contact Information</th>
<th>Booth Number</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aal Chem</strong></td>
<td>Contact: Jason Weirich</td>
<td>615</td>
<td></td>
</tr>
<tr>
<td>2240 29th Street</td>
<td>2240 29th Street, Grand Rapids, MI 49508 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PH 616-247-9851</td>
<td>2240 29th Street, Grand Rapids, MI 49508 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 616-247-9852</td>
<td>2240 29th Street, Grand Rapids, MI 49508 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="mailto:jason@aalchem.com">jason@aalchem.com</a></td>
<td><a href="mailto:jason@aalchem.com">jason@aalchem.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.aalchem.com">www.aalchem.com</a></td>
<td><a href="http://www.aalchem.com">www.aalchem.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aal Chem is a chemical distributor that offers a diverse range of product lines. UV coatings and graphic arts are amongst our core markets. We partner with trusted suppliers to ensure quality material at competitive prices. Eternal, our UV curable supplier, and Jiuri Chem, our photoinitiator supplier will be at our RadTech booth providing technical information. Through responsive customer service, logistic expertise, and technical support, Aal Chem provides customers the best solutions for their business.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ACTEGA North America</strong></td>
<td></td>
<td>418</td>
<td></td>
</tr>
<tr>
<td>Contact: Jim Wittig</td>
<td>Contact: Jim Wittig</td>
<td></td>
<td></td>
</tr>
<tr>
<td>950 S. Chester Ave., Suite B2</td>
<td>950 S. Chester Ave., Suite B2, Delran, NJ 08075 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PH 856-733-2003</td>
<td>950 S. Chester Ave., Suite B2, Delran, NJ 08075 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 856-829-1944</td>
<td>950 S. Chester Ave., Suite B2, Delran, NJ 08075 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="mailto:jim.wittig@altana.com">jim.wittig@altana.com</a></td>
<td><a href="mailto:jim.wittig@altana.com">jim.wittig@altana.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.actega.com/northamerica">www.actega.com/northamerica</a></td>
<td><a href="http://www.actega.com/northamerica">www.actega.com/northamerica</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACTEGA develops and produces UV and water-based coatings and adhesives for the digital marketplace. Products by ACTEGA offer high-value visual and functional appearances to almost every market including labels, commercial, and packaging. ACTEGA is committed to offering the best solutions and help in bringing surfaces to life.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Alberdingk Boley, Inc.</strong></td>
<td>Contact: Julia Harrison</td>
<td>517</td>
<td></td>
</tr>
<tr>
<td>6008 West Gate City Blvd.</td>
<td>6008 West Gate City Blvd., Greensboro, NC 27407 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Greensboro, NC 27407 USA</td>
<td>Greensboro, NC 27407 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PH 336-454-5000</td>
<td>Greensboro, NC 27407 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 336-454-5007</td>
<td>Greensboro, NC 27407 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="mailto:jharrison@alberdingkusa.com">jharrison@alberdingkusa.com</a></td>
<td><a href="mailto:jharrison@alberdingkusa.com">jharrison@alberdingkusa.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.alberdingkusa.com">www.alberdingkusa.com</a></td>
<td><a href="http://www.alberdingkusa.com">www.alberdingkusa.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alberdingk Boley, Inc. (ABI) is a global supplier of innovative water-based dispersions. With a legacy of more than 185 years in castor and linseed oils, driven by tradition and innovative technology, ABI is a proud, responsive supplier of environmentally friendly water-based emulsions and Polyurethane dispersions to the paint and coatings, adhesives, and graphic arts industries. ABI offers a full line of waterborne emulsions and Polyurethane dispersions including UV-curable dispersions for wood, metal, plastics, concrete, glass, and flexible substrates (leather, synthetic leather, textiles, paper, and plastic films).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>American Ultraviolet</strong></td>
<td>Contact: Meredith Stines</td>
<td>601</td>
<td></td>
</tr>
<tr>
<td>212 S. Mt. Zion Road</td>
<td>212 S. Mt. Zion Road, Lebanon, IN 46052 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lebanon, IN 46052 USA</td>
<td>Lebanon, IN 46052 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PH 765-483-9514</td>
<td>Lebanon, IN 46052 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 765-483-9525</td>
<td>Lebanon, IN 46052 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="mailto:mstines@auvc.com">mstines@auvc.com</a></td>
<td><a href="mailto:mstines@auvc.com">mstines@auvc.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.amERICANultraviolet.com">www.amERICANultraviolet.com</a></td>
<td><a href="http://www.amERICANultraviolet.com">www.amERICANultraviolet.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A designer and manufacturer of ultraviolet equipment since 1960. The AUV family of companies includes: Aetek UV Systems, LESCO UV and UV Source. With a full staff of engineers and experienced production staff, full custom engineered systems, specifically designed to meet your application needs, are our specialty. Applications include aerospace, hospitals, automotive, adhesive bonding, optical coatings, screen printing, coatings curing, floor and surface curing. Let our experience improve your future.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BASF Corporation</strong></td>
<td>Contact: Andrew Seecharan</td>
<td>807</td>
<td></td>
</tr>
<tr>
<td>24710 West Eleven Mile Road</td>
<td>24710 West Eleven Mile Road, Southfield, MI 48033 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Southfield, MI 48033 USA</td>
<td>Southfield, MI 48033 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PH 800-231-7868</td>
<td>Southfield, MI 48033 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 800-392-7429</td>
<td>Southfield, MI 48033 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="mailto:Custserv_charlotte@basf.com">Custserv_charlotte@basf.com</a></td>
<td><a href="mailto:Custserv_charlotte@basf.com">Custserv_charlotte@basf.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.bASF.com/dpsolutions">www.bASF.com/dpsolutions</a></td>
<td><a href="http://www.bASF.com/dpsolutions">www.bASF.com/dpsolutions</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In close collaboration with our customers and their value chain networks, BASF searches for solutions to meet the market needs of today and the challenges of tomorrow. Our technical experts provide excellent advice on ink, overprint varnish and coating guidelines to develop the best solutions leading to faster curing rates, good adhesion to a wide range of substrates, increased productivity and lower production costs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>BYK Additives &amp; Instruments</strong></td>
<td></td>
<td>410</td>
<td></td>
</tr>
<tr>
<td>524 South Cherry Street</td>
<td>524 South Cherry Street, Wallingford, CT 06492 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wallingford, CT 06492 USA</td>
<td>Wallingford, CT 06492 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PH 203-265-2086</td>
<td>Wallingford, CT 06492 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 203-284-9158</td>
<td>Wallingford, CT 06492 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="mailto:CustomerServiceGroup.BYK.USA@altana.com">CustomerServiceGroup.BYK.USA@altana.com</a></td>
<td><a href="mailto:CustomerServiceGroup.BYK.USA@altana.com">CustomerServiceGroup.BYK.USA@altana.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.byk.com">www.byk.com</a></td>
<td><a href="http://www.byk.com">www.byk.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BYK is a worldwide leader in the chemical industry providing additives which protect, refine product surfaces and/or simplify the manufacturing process. BYK manufactures additives for energy cured systems including inks and coatings which include: additives to improve surface slip, leveling, and substrate wetting, defoamers and air release agents, processing additives, rheological additives, UV absorbers, viscosity depressants, wax additives, and wetting and dispersing additives for pigments and extenders.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CB Mills Division of Chicago Boiler Co.</strong></td>
<td>Contact: Tom LeBiedz</td>
<td>820</td>
<td></td>
</tr>
<tr>
<td>1300 Northwestern Avenue</td>
<td>1300 Northwestern Avenue, Gurnee, IL 60031 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gurnee, IL 60031 USA</td>
<td>Gurnee, IL 60031 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PH 847-662-4000</td>
<td>Gurnee, IL 60031 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FX 847-662-4003</td>
<td>Gurnee, IL 60031 USA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="mailto:tlebiedz@cbmills.com">tlebiedz@cbmills.com</a></td>
<td><a href="mailto:tlebiedz@cbmills.com">tlebiedz@cbmills.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.cbmills.com">www.cbmills.com</a></td>
<td><a href="http://www.cbmills.com">www.cbmills.com</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CB Mills, a division of Chicago Boiler has been family owned for 125 years! We design and build some of the highest quality steel tanks, vertical and horizontal media grinding mills, tank washers and solvent recovery systems. CB Mills has worked with customers for decades in order to provide the most thoroughly designed products. Whether it is a tank, a still or a media grinding mill we have seen it and done that!</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
our products, please contact with us.

and free radical curing. If you are interested in a solution of using UV LED for cationic curing UV curing speed two times. We also can provide cationic monomer, which can increase cationic electronic materials. We can provide new line, which mainly applied to the advanced Photoresist resins are main parts of our product (Including Photosensitizer, Photo Acid Generator, etc.) and chemical materials. Photoinitiators (Including retardant and photoinitiator. Information about Chitec can be found at www.chitec.com.

Changzhou Tronly New Electronic Materials Co., Ltd. is an application-oriented, independent innovation based company specialized in R&D and manufacture of the photosensitive chemical materials. Photoinitiators (Including Photosensitizer, Photo Acid Generator, etc.) and Photoresist resins are main parts of our product line, which mainly applied to the advanced electronic materials. We can provide new cationic monomer, which can increase cationic UV curing speed two times. We also can provide a solution of using UV LED for cationic curing and free radical curing. If you are interested in our products, please contact with us.

Clearstone Technologies

Contact: Richard Sahara
625 St. Louis Street, #35
Hopkins, MN 5543 USA
PH 612-824-4846
FX 866-387-6558
rsahara@clearstonetech.com
www.clearstonetech.com

Clearstone Technologies, Inc. takes basic UV LED components and builds turn-key UV light sources for end users or systems integrators. We use our expertise in optics, thermal design, and electronics to build robust, reliable, and user-friendly UV light sources. Our UV light sources will deliver, with integrity, the promise of solid-state light sources to ultra-violet applications, such as curing adhesives, coatings, inks, and other light-sensitive materials.

Collins Inkjet

Contact: Kristin Adams
1201 Edison Drive
Cincinnati, OH 45216 USA
PH 513-948-9000
FX 513-948-8900
kadams@collinsinkjet.com
www.collinsinkjet.com

Collins Inkjet has over 26 years experience creating innovative solutions for industrial inkjet customers and OEMs. Collins is a vertically integrated high volume manufacturer of water, solvent, UV curable and is at the forefront of EB curable inkjet development. More recently Collins expanded its offerings to include printheads, printhead refurbishment and printer development. Collins remains focused on helping customers and OEM create new market opportunities and expand the reach of high-speed inkjet printing.

CPS formulates and manufactures custom materials for application and adhesion to a wide variety of substrates and tack free curing under a wide range of curing conditions. CPS formulates materials for curing with broadband UV, LED, and EBeam. CPS has expertise in polymeric optics, coatings, and thiol-ene chemistry. CPS also develops and manufactures custom formulations for 3D printing.

Converting Quarterly

CONVERTING QUARTERLY is the No. 1 print and online technical resource for the web-processing, converting and finishing industries. As the official publication of the Assn. of International Metallizers, Coaters & Laminators, it serves the technical information needs of coater, laminator, film-maker, flexo/gravure printer, slitter/sheeter and finishing professionals with a quarterly printed magazine, weekly email newsletter, 24-7 Website and Mobile Apps.
Daicel Corporation in Japan is the world’s leader manufacturer of cycloaliphatic epoxy resin by Daice’s very own special technology. This unique technique is achieved by an oxidation reaction with peracetic acid. It is characterized by being a liquid with low viscosity and having an extreme low content of chlorine. Celloxide 2021P® is cured with an acid anhydride curing agent to achieve cure products that are excellent in transparency. It has a high heat distortion temperature as well as, high electrical insulating property. Therefore, it has many uses as for example in coatings, adhesives, electronic, etc.

Digital Light Lab

Contact: John Morris
10820 Murdock Drive, Suite 106
Knoxville, TN 37932 USA
PH 865-694-7892
morris@digitallightlab.com
www.digitallightlab.com

Digital Light Lab manufactures LED-based UV curing and illumination equipment. Our AccuCure family of systems has applications in a wide range of industries including the medical device, adhesive, coating, and printing fields. Our systems offer intelligent, feature-rich solutions to support research, development, manufacturing, and quality control challenges. Employed in each phase of a product lifecycle, the AccuCure family of curing systems ensures seamless integration from formulation to manufacturing, providing our customers with a shorter time to market and better, more consistent products.

Dymax Oligomers & Coatings

Contact: Caroline Corniello
318 Industrial Lane
Torrington, CT 06790 USA
PH 860-626-7006
FX 860-626-7043
info@dymax-oc.com; ccorniello@dymax.com
www.dymax-oc.com

Dymax Oligomers & Coatings (formerly Bomar™ Specialties), a technology leader in acrylate and urethane chemistry, will be exhibiting a line of specialty oligomers and additives for energy-cure applications. Among the products being exhibited are its line of oligomers for 3D printing inks and LED Nai Gel coatings. Dymax will also showcase light-curing equipment optimized to work seamlessly with Dymax LCM formulations for the fastest, most thorough cures.

EIT Instrument Markets

Contact: Jim Raymont
108 Carpenter Drive
Sterling, VA 20164 USA
PH 703-478-0700
FX 703-478-0291
uv@eit.com
www.eit.com

EIT uses its resources to design, manufacture, assemble and distribute instruments that measure and track process control information in UV applications. EIT radiometers and on-line monitoring equipment provide UV users with the widest choice of instruments on the market. The radiometers are NIST traceable and are available in a variety bands.

Energy Sciences Inc.

Contact: Richard Sanders
42 Industrial Way
Wilmington, MA 01887 USA
PH 978-694-9000
FX 978-694-9046
rsanders@ebeam.com
www.ebeam.com

Energy Sciences Inc (ESI) is the world’s leading innovator and manufacturer of electron beam (EB) curing systems. EB systems are used to cross link films, cure EB formulated CI flexo and web offset inks, coatings and laminating adhesives. Stop by our booth to learn about our Total Solutions Approach to your application requirements.
As a leading supplier of specialty chemicals, Evonik offers its customers in the coatings industry a unique range of products under the TEGO brand name. With more than 200 products, the range currently includes additives, co-binders, specialty binders, and nanoresins. We are confident that we can find solutions for you.

**Evonik Corporation**

Contact: Rebecca Marshall  
P.O. Box 34628  
Richmond, VA 23234 USA  
PH 804-727-0700  
FX 804-727-0895  
rebecca.marshall@evonik.com  
www.tego.us

2260 Argentia Road  
Mississauga, ON L5N 6H7 Canada  
PH 905-821-2600  
FX 905-821-2055  
OmniCure@excelitas.com  
www.excelitas.com/OmniCure

OmniCure® by Excelitas Technologies offers innovative UV curing systems that provide leading manufacturers worldwide with the highest performing UV curing technology. OmniCure leverages its unique industry expertise to deliver faster and more consistent UV curing results, ensuring our customers capitalize on highest product quality and production efficiency savings. Featuring our latest technology—the LX500 is a newly developed UV LED spot curing system that delivers exceptional peak irradiance of up to 16W/cm². Visit us at booth #713 to learn more.

**FlackTek, Inc.**

Contact: Sharon Gordon  
1708 Hwy 11  
Landrum, SC 29356 USA  
PH 864-895-7441  
FX 864-895-7442  
sharon@flacktek.net  
www.speedmixer.com

The FlackTek SpeedMixer is an advanced tool for mixing, grinding/milling and dispersing. This Non-Invasive Mixing™ technology removes air bubbles while homogenizing the sample in a matter of seconds, and there is ABSOLUTELY NO CLEANUP! The SpeedMixer can be used to process any combination of powders, pastes, putties, and liquids in batches ranging from 1g to 10kg. Please visit our booth to learn how a SpeedMixer can benefit your R&D, quality control and specialty productions.

**GEW, Inc.**

Contact: Brian Wenger  
Unit X 11941 Abbey Road  
North Royalton, OH 44133 USA  
PH 440-237-4439  
FX 440-230-4439  
sales@gewuv.com  
www.gewuv.com

GEW designs and manufactures UV curing systems for the printing, packaging and coating industries. In 2015, GEW launched ArcLED, the first hybrid UV curing system that enables hybrid, interchangeable UV curing on each print station, allowing the printer to use a combination of arc and LED technologies seamlessly on the same press with the ability to optimize UV curing at every print station on the press and thus maximize their productivity.

**Hamamatsu Corporation**

Contact: Calvin Waller  
360 Foothill Road  
Bridgewater, NJ 08807 USA  
PH 908-231-0960  
FX 908-231-1539  
usa@hamamatsu.com  
www.hamamatsu.com

Hamamatsu Corporation is the North American subsidiary of Hamamatsu Photonics K.K. (Japan). For UV curing, we offer various UV-LED sources with 365 nm or 385 nm emission and up to 10500 mW/cm² output intensity. For EB curing and surface modification applications, we offer the EB-ENGINE, an electron beam irradiation source (50-110 kV).

**Heraeus Noblelight America LLC.**

Contact: Gina Gonzalez  
54 Veterans Blvd  
Stratford, CT 06615 USA  
PH 203-375-1137  
FX 203-386-9754  
mwyrostek@hampfordresearch.com  
www.hampfordresearch.com

Hampford Research, Inc. is a specialty chemical manufacturer located in Stratford, Connecticut. We specialize in producing highly engineered chemicals for worldwide customers in the electronics, dental, personal care, printing/imaging and adhesives markets. Our products are an integral part of such varied products as dental fillings and false teeth, cosmetics, hair products and sunscreen, smart phones, tablets and desktop computers, anti-counterfeiting holographic images, sticky-backed labels and 3D prototype imaging.

**Guangdong Bossin Novel Materials Technology Co. Ltd.**

Contact: Zhiyun Li  
801 8th Haicheng East Road  
Xinggang East Road Haizhu  
Guangzhou, Guangdong 510330 China  
PH 15915858661  
FX 86-20-3437 9190  
21166874@qq.com  
www.gzbossin.com/en/

Bossin is a UV resin specialist in R&D, manufacturing, product supply and technical service for UV ink, UV painting, UV varnish and UV adhesives in China. We are dedicated to sustainable social development while designing UV resin with low viscosity, high quality and special function. We provide UV resin including PU-, Epoxy-, Organosilicon- and Polyester-Acrylates.

**FlackTek, Inc.**

Contact: Sharon Gordon  
1708 Hwy 11  
Landrum, SC 29356 USA  
PH 864-895-7441  
FX 864-895-7442  
sharon@flacktek.net  
www.speedmixer.com

The FlackTek SpeedMixer is an advanced tool for mixing, grinding/milling and dispersing. This Non-Invasive Mixing™ technology removes air bubbles while homogenizing the sample in a matter of seconds, and there is ABSOLUTELY NO CLEANUP! The SpeedMixer can be used to process any combination of powders, pastes, putties, and liquids in batches ranging from 1g to 10kg. Please visit our booth to learn how a SpeedMixer can benefit your R&D, quality control and specialty productions.

**GEW, Inc.**

Contact: Brian Wenger  
Unit X 11941 Abbey Road  
North Royalton, OH 44133 USA  
PH 440-237-4439  
FX 440-230-4439  
sales@gewuv.com  
www.gewuv.com

GEW designs and manufactures UV curing systems for the printing, packaging and coating industries. In 2015, GEW launched ArcLED, the first hybrid UV curing system that enables hybrid, interchangeable UV curing on each print station, allowing the printer to use a combination of arc and LED technologies seamlessly on the same press with the ability to optimize UV curing at every print station on the press and thus maximize their productivity.

**Hamamatsu Corporation**

Contact: Calvin Waller  
360 Foothill Road  
Bridgewater, NJ 08807 USA  
PH 908-231-0960  
FX 908-231-1539  
usa@hamamatsu.com  
www.hamamatsu.com

Hamamatsu Corporation is the North American subsidiary of Hamamatsu Photonics K.K. (Japan). For UV curing, we offer various UV-LED sources with 365 nm or 385 nm emission and up to 10500 mW/cm² output intensity. For EB curing and surface modification applications, we offer the EB-ENGINE, an electron beam irradiation source (50-110 kV).

**Heraeus Noblelight America LLC.**

Contact: Gina Gonzalez  
54 Veterans Blvd  
Stratford, CT 06615 USA  
PH 203-375-1137  
FX 203-386-9754  
mwyrostek@hampfordresearch.com  
www.hampfordresearch.com

Hampford Research, Inc. is a specialty chemical manufacturer located in Stratford, Connecticut. We specialize in producing highly engineered chemicals for worldwide customers in the electronics, dental, personal care, printing/imaging and adhesives markets. Our products are an integral part of such varied products as dental fillings and false teeth, cosmetics, hair products and sunscreen, smart phones, tablets and desktop computers, anti-counterfeiting holographic images, sticky-backed labels and 3D prototype imaging.

**Guangdong Bossin Novel Materials Technology Co. Ltd.**

Contact: Zhiyun Li  
801 8th Haicheng East Road  
Xinggang East Road Haizhu  
Guangzhou, Guangdong 510330 China  
PH 15915858661  
FX 86-20-3437 9190  
21166874@qq.com  
www.gzbossin.com/en/

Bossin is a UV resin specialist in R&D, manufacturing, product supply and technical service for UV ink, UV painting, UV varnish and UV adhesives in China. We are dedicated to sustainable social development while designing UV resin with low viscosity, high quality and special function. We provide UV resin including PU-, Epoxy-, Organosilicon- and Polyester-Acrylates.

**Hamamatsu Corporation**

Contact: Calvin Waller  
360 Foothill Road  
Bridgewater, NJ 08807 USA  
PH 908-231-0960  
FX 908-231-1539  
usa@hamamatsu.com  
www.hamamatsu.com

Hamamatsu Corporation is the North American subsidiary of Hamamatsu Photonics K.K. (Japan). For UV curing, we offer various UV-LED sources with 365 nm or 385 nm emission and up to 10500 mW/cm² output intensity. For EB curing and surface modification applications, we offer the EB-ENGINE, an electron beam irradiation source (50-110 kV).
**LISTING OF EXHIBITORS**

<table>
<thead>
<tr>
<th>EXHIBITORS</th>
<th>Exhibit Number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>High Power Lighting Corp.</strong></td>
<td>201</td>
</tr>
<tr>
<td>Contact: Jason Lin</td>
<td></td>
</tr>
<tr>
<td>5F, No. 173-8, Yung-Fong Road</td>
<td></td>
</tr>
<tr>
<td>Tu-Cheng District</td>
<td></td>
</tr>
<tr>
<td>New Taipei City, Taiwan, R.O.C.</td>
<td></td>
</tr>
<tr>
<td>PH +886-2-8262-8886</td>
<td></td>
</tr>
<tr>
<td>FX +886-2-8262-8885</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:jasonlin@hplighting.com.tw">jasonlin@hplighting.com.tw</a></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.hplighting.com.tw">www.hplighting.com.tw</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>IGM Resins</strong></td>
<td>213</td>
</tr>
<tr>
<td>Contact: Steven Gagliano</td>
<td></td>
</tr>
<tr>
<td>3300 Westinghouse Blvd.</td>
<td></td>
</tr>
<tr>
<td>Charlotte, NC 28273 USA</td>
<td></td>
</tr>
<tr>
<td>PH 630-213-1616</td>
<td></td>
</tr>
<tr>
<td>FX 630-524-9096</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:sales@igmresins.com">sales@igmresins.com</a></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.igmresins.com">www.igmresins.com</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>IGM Resins is recognized globally as a specialist in the development, manufacture and supply of products to the UV/EB Industry and the only supplier that is 100% dedicated to this segment. We provide a broad range of photoinitiators, oligomers (epoxy, polyester and urethane), acrylate monomers and additives to address every formulating need. Our materials are used in graphic arts, adhesive and electronic applications as well as protective and decorative coatings for wood, plastic and metal substrates. At IGM, we bring it all together.</td>
<td></td>
</tr>
<tr>
<td><strong>Ink World Magazine</strong></td>
<td>214</td>
</tr>
<tr>
<td>Contact: Dale Pritchett</td>
<td></td>
</tr>
<tr>
<td>Rodman Media</td>
<td></td>
</tr>
<tr>
<td>70 Hilltop Road</td>
<td></td>
</tr>
<tr>
<td>Ramsey, NJ 07446 USA</td>
<td></td>
</tr>
<tr>
<td>PH 201-825-2552</td>
<td></td>
</tr>
<tr>
<td>FX 201-825-0553</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:dpritchett@rodmanmedia.com">dpritchett@rodmanmedia.com</a></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.inkworldmagazine.com">www.inkworldmagazine.com</a></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Ink World is the largest trade magazine, web site and weekly e-newsletter in the world covering the US$520+ billion global printing ink industry, reaching over 5,000 subscribers worldwide. Ink World’s editors and correspondents provide extensive and accurate reporting with incisive articles on the companies, the people and the trends in the global printing ink industry. Please visit our web site for further information: <a href="http://www.inkworldmagazine.com">www.inkworldmagazine.com</a></td>
<td></td>
</tr>
<tr>
<td><strong>Innovations In Optics, Inc.</strong></td>
<td>414</td>
</tr>
<tr>
<td>Contact: Kevin Carr</td>
<td></td>
</tr>
<tr>
<td>82 Cummings Park</td>
<td></td>
</tr>
<tr>
<td>Woburn, MA 01801 USA</td>
<td></td>
</tr>
<tr>
<td>PH 781-933-4477</td>
<td></td>
</tr>
<tr>
<td>FX 781-933-0007</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:kevinc@innovationsinoptics.com">kevinc@innovationsinoptics.com</a></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.innovationsinoptics.com">www.innovationsinoptics.com</a></td>
<td></td>
</tr>
<tr>
<td>Innovations in Optics, Inc. offers powerful UV-LED sources for science and industry that provide maximum flux density, irradiance uniformity and stable radiant power. Products offer system-level advantages over lasers and arc lamps in OEM equipment for many applications including ink and epoxy curing, photolithography, 3D printing, and direct image writing.</td>
<td></td>
</tr>
<tr>
<td><strong>Integration Technology Ltd. / IST America</strong></td>
<td>321</td>
</tr>
<tr>
<td>Contact: David Bohn</td>
<td></td>
</tr>
<tr>
<td>121-123 Capista Drive</td>
<td></td>
</tr>
<tr>
<td>Shorewood, IL 60404 USA</td>
<td></td>
</tr>
<tr>
<td>PH 630-410-2189</td>
<td></td>
</tr>
<tr>
<td>FX 508-546-0200</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:dbohn@uvintegration.com">dbohn@uvintegration.com</a></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.uvintegration.com">www.uvintegration.com</a></td>
<td></td>
</tr>
<tr>
<td>IST METZ and Integration Technology are displaying the biggest portfolio of UV products in the world. High-performance UV Lamp and UV LED systems are a focus at RadTech, Booth 321. In collaboration with its subsidiary Integration Technology Ltd., which has specialized in digital printing, IST METZ GmbH offers the largest portfolio of UV systems in the world. The company supplies customized solutions to the printing industry in sheet-fed, web-fed and digital printing applications.</td>
<td></td>
</tr>
<tr>
<td><strong>IRTronix, Inc.</strong></td>
<td>709</td>
</tr>
<tr>
<td>Contact: Claudia Funk</td>
<td></td>
</tr>
<tr>
<td>635 Hawaii Avenue</td>
<td></td>
</tr>
<tr>
<td>Torrance, CA 90503 USA</td>
<td></td>
</tr>
<tr>
<td>PH 310-787-1100</td>
<td></td>
</tr>
<tr>
<td>FX 310-787-1166</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:cfunk00@irtronix.com">cfunk00@irtronix.com</a></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.irtronix.com">www.irtronix.com</a></td>
<td></td>
</tr>
<tr>
<td>IRTronix, Inc. is one of the fastest growing agency for LG Innotek UVLED here in North America serving customers globally. We accelerate our partners’ success by connecting the world’s leading technology suppliers with a broad base of customers to provide cost-effective, value-added services, and solutions.</td>
<td></td>
</tr>
<tr>
<td><strong>Isuzu Glass, Inc.</strong></td>
<td>306</td>
</tr>
<tr>
<td>Contact: Hiro Yokoi</td>
<td></td>
</tr>
<tr>
<td>23505 Crenshaw Blvd, Suite 130</td>
<td></td>
</tr>
<tr>
<td>Torrance, CA 90505 USA</td>
<td></td>
</tr>
<tr>
<td>PH 310-517-1866</td>
<td></td>
</tr>
<tr>
<td>FX 310-517-1869</td>
<td></td>
</tr>
<tr>
<td><a href="mailto:sales@isuzuglass.com">sales@isuzuglass.com</a></td>
<td></td>
</tr>
<tr>
<td><a href="http://www.isuzuglass.com">www.isuzuglass.com</a></td>
<td></td>
</tr>
<tr>
<td>Isuzu Glass is a manufacturer of optical filter glasses and molded optics. In our corporate history of over 100 years, we have dedicated our efforts to the glass material both in melting new types of filter glass and in manufacturing glass components by developing unique technologies in steps ahead of competitors.</td>
<td></td>
</tr>
</tbody>
</table>
**Jelight Company**

Contact: Renata Jelic  
2 Mason  
Irvine, CA 92618 USA  
PH 949-380-8774  
FX 949-768-9457  
jeli@jelight.com  
www.jelight.com

Jelight Company, Inc. was established in 1978 as a high quality UV lamps manufacturer. Jelight produces both mercury and metal halide (gallium and iron additive) lamps ranging from 1” to 200” in length and 25 to 1,500 watts/inch. In addition, we manufacture irradiators, ballast transformers, capacitors, reflectors, hot/cold mirrors, quartzware, and portable UV curing equipment. As an ISO 9001 Certified Company, we highly value safety and quality during production and for the end users.

**Keyland Polymer**

Contact: Michael Knoblauch  
4621 Hinckley Industrial Parkway, Suite 8  
Cleveland, OH 44109 USA  
PH 216-741-7915  
FX 216-741-7916  
info@keylandpolymer.com  
www.keylandpolymer.com

Keyland Polymers sole focus is the development, formulation and manufacturing of UV-curable powder coatings. UV-cured powder coating is a cost effective and efficient, environmentally friendly, and fast coating solution for including wood, plastic, metals, composites and pre-assembled components. Our extensive R&D laboratory allows us to work with companies and develop a coating solution for their product. We also assist with the design, set up, installation and support of UV powder systems.

**LED Specialist Inc.**

Contact: William Reisenauer  
4250 Veterans Memorial Highway  
Suite 2060 West  
Holbrook, NY 11741 USA  
PH 631-269-4235  
FX 631-269-1213  
wreisenauer@ledspecialists.com  
www.ledspecialists.com

LED Specialists engineers and manufactures custom solutions for UV curing and sterilization applications. Our specialty is long or wide irradiance applications, particularly those sensitive to additional heat from the UV source. Our products and designs operate various industrial environments. We apply our technology and expertise to offer customers cost effective products tailored to their applications and environments, and not the other way around. Stop by our booth and see Mike or Bill.

**Kopp Glass**

Contact: Sharayah Campbell  
2108 Palmer Street  
Pittsburgh, PA 15218 USA  
PH 412-271-0190  
FX 412-271-4103  
solutions@koppglass.com  
www.koppglass.com

Kopp Glass is the leader in molded technical glass manufacturing with a portfolio of more than 200 glass compositions. We offer custom molded glass optics that increase UV LED irradiance and improve light distribution uniformity. Our optics enable the creation of versatile, modular UV curing systems with flexible working distances and the ability to cure both linear and complex 3D surfaces. Achieve greater design freedom while improving energy efficiency, reducing LEDs, and improving thermal management.

**Kowa**

Contact: Richard Maxwell  
55 E. 59th Street  
Suite 19A  
New York, NY 10022 USA  
PH 212-783-8882  
FX 212-303-7800  
maxwell@kowa.com  
www.kowa.com

Kowa is a UK based company with branch offices and warehouses in the USA, China and Japan. We are regarded as pioneers in the UV industry and continue to produce innovative, high performance solutions to our clients worldwide. Our product range covers a broad spectrum of commercial photo initiators, synergists, resins and absorbers as well as new innovative products developed by our R&D team.

**Kromachem Inc.**

Contact: Brian Kidner  
Simpson Street  
Hyde  
Cheshire, SK14 1BJ England  
PH +44 161-366-7589  
briank@kromachem.com  
www.kromachem.com

Kromachem specializes in Radiation Curing additive technology with a history of over 35 years in the speciality chemicals business. We are best known for our FLORSTAB range of UV In-Can Stabilisers and RADCOLOR UV Pigment Dispersions.
Miwon Specialty Chemical Co., Ltd.

Contact: Paul Elias
Miwon North America
The Commons at Oaklands
Exton, PA 19341 USA
PH 610-717-8971
FX 484-872-8717
E-mail: orders@miwonus.com
www.Miramer.com

Miwon Specialty Chemical, a leading global producer of acrylate and methacrylate monomers and oligomers for use in many UV/EB applications, will spotlight several new specialty products, including raw materials for anti-fog coatings, LED cured inks, UV PUD’s, UV waterborne coatings as well as tin-free oligomers, adhesion enhancing monomers and oligomers for plastics, high refractive index materials for optical and monomers & oligomers for “Soft Feel” applications. As manufacturing raw materials for UV & EB curing is our core business, we offer one of the broadest product lines for formulators utilizing this advanced and environmentally friendly technology. Through our global headquarters in South Korea, Miwon Specialty Chemical is aligned globally and supported regionally in China, Europe, and North America.

NAGASE

Contact: Jeremy Smith
546 Fifth Avenue, 16F
New York, NY 10036 USA
PH 646-467-3112
Jeremy.Smith@nagase-nam.com
www.NagaseAmerica.com

Delivering over 180 years of Japanese quality, NAGASE supplies innovative materials for UV/EB applications. Our product portfolio includes unique acrylate/methacrylate monomers and oligomers, cationic resins and photoinitiators, resins with hybrid functionality, as well as unique additives, such as nanoparticles and polymeric microparticles. With over 6,000 employees in 20 countries, Nagase brings together market insight with technical expertise to help customers solve development challenges. Visit our website to learn more: www.nagaseamerica.com.

Nedap Light Controls

Contact: Tonnie Telgenhof
P.O. Box 101
Groenlo, 7141DC Netherlands
PH +31.544.471.860
tonnie.telgenhof@nedap.com
www.nedap-uv.com

Nedap is the world’s leading company for UV Lamp Drivers for low and medium pressure lamps. We offer intelligent, dimmable electronic lamp drivers (ballasts), all CE, UL and cUL approved. Nedap combines high quality, efficient power conversion with intelligent controls allowing for the best UV systems at the lowest total costs.

NETZSCH Instruments North America, LLC

Contact: Katharina Klein
129 Middlesex Turnpike
Burlington, MA USA
PH 781-272-5353
FX 781-272-5225
Katharina.Klein@netzsch.com
www.netzsch-thermal-analysis.com

Thermal analysis instruments for measuring the UV-curing behavior of adhesives, inks, paints, and more; Photo-DSC (Differential Scanning Calorimetry), Photo-DMA (Dynamic Mechanical Analysis), Photo-DEA (Dielectric Analysis). NETZSCH thermal analyzers support the OmniCure S2000 UV lamp for studying light-induced reactions or you can select your own UV-source. The duration and intensity of the UV exposure are software-controlled via NETZSCH Proteus® Software. Multiple shots can be triggered during each segment. The NETZSCH Photo-DSC can also be equipped with an autosampler.
Nichia Corporation is the world’s leading manufacturer of UV LEDs, as well as violet, blue and green laser diodes. Check out Nichia’s latest world standard high power UV-LEDs for curing and printing. Nichia’s portfolio includes high power SMD packages ranging from 365 nm to 405 nm, as well as new UV options within our industry standard 119 package type.

Nordson Corporation 210
Contact: Kismet Mikos
300 Nordson Drive
Amherst, OH 44001 USA
PH 440-988-9411
FX 440-414-5612
kismet.mikos@nordson.com
www.nordsonuv.com

Opsytec Dr. Gröbel GmbH 720
Contact: Dr. Ing. Mark Paravia
Goethestraße 17
76275 Ettlingen, Germany
PH +49 7243 94783 50
FX +49 7243 94783 65
info@opsytec.de
www.opsytec.de

Opsytec Dr. Groebel GmbH is one of the world’s leading suppliers of industrial UV measurement technology. Since 1981, we have been developing, producing, and distributing UV measuring instruments, UV sensors, UV equipment, and UV irradiation chambers for a wide range of industrial applications. All our UV sensors and measuring instruments are delivered with a calibration certificate traceable to the Physikalisch Technische Bundesanstalt (PTB) in Braunschweig. As PTB and NIST work together, our calibrations are traceable to NIST as well.

Paint & Coatings Industry 315
Contact: Tom Fowler
2401 W. Big Beaver Road, Suite 700
Troy, MI 48084 USA
PH 248-786-1717
FX 248-502-1091
fowler@bnmedia.com
www.pcmag.com

PCI is a global media platform that provides technical solutions for Chemists, Formulators and Manufacturers of paint and coatings. With a print circulation of 20,000 and web audience of over 38,000 as well as our social media community of over 25,000, PCI is the largest and most respected business media group in the paint and coatings sector worldwide.

PCT Engineered Systems/ebeam Technologies 801
Contact: John Salkeld
8700 Hillandale Road
Davenport, IA 52806 USA
PH 563-285-7411
FX 563-285-7433
JESalkeld@TEAMPCT.COM
www.teampct.com

In mastering the small electron, we create big changes: cleaner processes, no use of chemicals, significantly less energy consumption, better quality products and greater resource efficiency. PCT Engineered Systems, now part of COMET Group’s ebeam Technologies, provides groundbreaking ebeam Systems and ebeam Engines. We design, build and implement ebeam systems that target curing, crosslinking and sterilization applications in the food and packaging industries. Learn more about ebeam technology at www.comet-ebeam.com or www.teampct.com.

Prime Coatings 717
Contact: Dan Curtin
1002 Hickory Street
Pewaukee, WI 53072 USA
PH 262-691-3892
FX 262-691-1930
dcurtin@primecoatings.net
www.primecoatings.net

Prime Coatings offers an array of high performance UV/EB products including specialty sealers, primers, and topcoats. Gloss ranges of 4 to 96 are available for use on: Specialty films, including Vinlys and Composites, Vacuum metallized parts, Wood products, Various Metal substrates, Carbon Fiber, Sporting Equipment, Cosmetic Caps, and many others.
EXHIBITORS

Listing of Exhibitors

Printed Electronics Now
Contact: Dale Pritchett
Rodman Media
70 Hilltop Road
Ramsey, NJ 07446 USA
PH 201-825-2552
FX 201-825-0553
dpritchett@rodmamedia.com
www.printedelectronicsnow.com
Printed Electronics Now is a magazine, web site and weekly e-newsletter devoted to the fast growing field of electronic products created through the printing process, an emerging industry that promises to revolutionize the methods in which electronic components and systems are manufactured. Printed Electronics covers solar cells, batteries, displays, sensors, medical devices, military equipment, and much more. In the near future, the world will be treated to displays on packages, on pharmaceuticals that remind users when to take the drugs, more advanced electronic readers, flexible dashboard displays in vehicles, printed solar panels, and disposable devices that promise to revolutionize medical testing.

PROCHENA Handelsgesellschaft m.b.H.
Contact: Denise Goebel
Wienerbergstrasse 3
A-1100, Vienna
PH 0043160560
FX 004316070560
denise.goebel@prochema.com
www.prochema.com
APUREX is the recently set up, self-reliant branch of an European Distribution Group and is focusing on their multinational customers and selected customers branches in NA markets. The products being exhibited at Booth #221 are UV CURABLE MONOMERS AND THEIR PRECURSORS. Manufactured by carefully selected, qualified Asian manufacturers. Hereunder are Mono-, Di-, Tri- and multifunctional Acrylates and Methacrylates, such as IBOA, IBOMA, HDDA, DPGDA, TPGDA, TMPTA, Di-TMP, TMP, NPG, Penta, Di-Penta.

Rad-solutions llc
Contact: David Bognar
2221 Justin Road, Suite 119-142
Flower Mound, TX 75077 USA
PH 214-213-7472
FX 214-594-6953
dbognar@rad-solutions.com
www.rad-solutions.com
Full range of acrylates and methacrylate monomer and oligomers for UV/EB. Custom blends and stabilizer packages. Formulation assistance and toll production.

RadTech—the Association for UV & EB Technology
Contact: Gary Cohen
7720 Wisconsin Avenue, Suite 208
Bethesda, MD 20814 USA
PH 240-497-1242
FX 240-209-2337
uveb@radtech.org
www.radtech.org

RAHN USA Corporation
Contact: Steve Lundstram
1005 N Commons Drive
Aurora, IL 60504 USA
PH 630-851-4220
FX 630-851-4863
steve.lundstram@rahn-group.com
www.rahn-group.com
RAHN is a premier worldwide supplier of additives, oligomers, monomers, photoinitiators and other customized specialty chemicals. Our products are used in ultraviolet and electron beam cure technologies and are essential components of high performance inks, coatings, adhesives, medical, 3D printing, rapid prototyping and other applications. The range of products are established under the trademarks GENOMER®, GENORAD®, GENOCURE® and GENOPOL® and are widely used industry standards.

Red Spot Paint & Varnish Co., Inc.
Contact: Eileen Weber
1107 E. Louisiana Street
P.O. Box 418
Evansville IN 47703-0418 USA
PH 812-428-9100
customerservice@redspot.com
www.redspot.com
Red Spot offers a full line of specialty, high performance coatings for plastic and select other materials, including glass and metal. Our products offerings are categorized by cure technology including air, thermal, in-mold and UV-curable. We provide a full product line to serve our chosen markets of automotive interior and exterior, rigid packaging, thin films, and composites. Red Spot is an industry leader in high performance coatings, application expertise and line design.

Sartomer Americas
Contact: Chris Petrangeli
Oaklands Corporate Center
502 Thomas Jones Way
Exton, PA 19341 USA
PH 610-363-4100
FX 610-363-4140
sartomer.exto-contact@sartomer.com
www.sartomer.com
Innovating with you in mind, Sartomer is featuring new chemistries for high-performance UV/EB-applications including 3D printing, coatings, graphic arts, and adhesives and sealants. Also featuring Sarbio® acrylates and methacrylates based on renewable raw materials. Visitors can speak directly with our experts and receive recommendations.

Seoul Viosys Co., Ltd.
Contact: Race Yoon
Wonsi-dong, 727-5, 1B-36L
Danwon-gu
Ansan-city, Kyunggi-do 425-851 Korea
PH +82-70-4391-8716
FX +82-31-500-7799
kyunys@seoulviosys.com
www.seoulviosys.com
www.seoulviosys.com/eng/main

Siltech Corporation
Contact: Bob Ruckle
225 Wicksstead Avenue
Toronto, ON M4H1G5 Canada
PH 416-424-4567
FX 416-424-3158
Robert@siltech.com
www.siltech.com
Using our proprietary technologies, Siltech develops, manufactures and markets a full unique line of organo-functional silicones. With more than 25 years of experience, and two manufacturing facilities, we offer a broad portfolio of cationic, quaternary, allyl and reactive silicones for many markets. In radiation cured systems, Siltech offers a full range of high-quality Silmer® ACR reactive silicones as well as Siltech additives.

Shamrock Technologies
Contact: Ronald Levitt
Foot of Pacific Street
Newark NJ 07114 USA
PH 973-242-2999
FX 973-242-3015
marketing@shamrocktechnologies.com
www.shamrocktechnologies.com
For 75 years, Shamrock has driven the use of PTFE and wax additives in formulations. Today, Shamrock is the global leader in PTFE additives, offering an extensive product line, which includes premium PTFE powders, waxes, compounds, emulsions and dispersions. These materials enhance our customers’ products by controlling slip, abrasion resistance, texture, water repellency, grease repellency, chemical resistance, gloss/ matting and feel. Explore the Possibilities.
LISTING OF EXHIBITORS

SolidUV

Contact: Claire Karlicek
5 Southside Drive, Suite 11-170
Clifton Park, NY 12065 USA
PH 888-281-1887
Mobile: 518-791-9094
FX 518-664-5502
cfkarlic@soliduv.com
www.soliduv.com
SolidUV, Inc. designs and manufactures high performance UV LED curing systems using patented and proprietary system designs providing high performance, low cost, superior design flexibility and improved reliability. SolidUV’s unique technology platform delivers high irradiance at long working distances along with cool, efficient operation for unparalleled UV LED curing performance.

Spectra Group Limited, Inc.

Contact: Maria Muro-Small
27800 Lemoyne Road, Suite J
Millbury, OH 43447 USA
PH 419-837-9783
FX 419-837-6816
murosmall@sglnc.com
www.sglnc.com
Spectra Group Limited offers a wide variety of formulated photopolymer products (coatings, adhesives, specialty applications). The company also remains committed to research and development activities for its existing and new customers from our creative team of scientists. Other products include color change technology, including printed radiometric films, and specialty photoinitiators.

Strathmore Products

Contact: Eric Bockus
1970 W. Fayette St.
Syracuse, NY 13204 USA
PH 315-488-3401
FX 315-488-2715
eric.bockus@strathmoreproducts.com
www.strathmoreproducts.com
Since its inception in 1942, Strathmore Products’ mission is the continuous improvement of products, processes and services in the coatings industry. Strathmore has been formulating coatings for the radiation curable market since 1993 and is committed to staying a leader in UV/EB/LED curing and green technology.

Sunlite Science & Technology, Inc.

Contact: Fong Suo
4811 Qual Crest Place
Lawrence, KS 66049 USA
PH 785-856-0219
FX 913-273-1888
fongsuo@sunlitest.com
www.sunlitest.com
Sunlite Science & Technology, Inc. is a leader in the coating and print technologies industry. Sunlite offers the highest quality coatings for LED and UV LED curing applications.

Sustainable Green Printing Partnership

Contact: Doreen Monteleone
P.O. Box 535
Sayville, NY 11782 USA
PH 631-319-0319
FX 631-567-8490
info@sgppartnership.org
www.sgppartnership.org
The Sustainable Green Printing Partnership (SGP) provides certification for sustainable business practices in the printing industry. SGP takes a holistic approach, encompassing environmental, health, safety and social issues throughout a facility. Certification criteria require regulatory compliance, sustainability management systems, best management practices and continuous improvement. Nearly 60 facilities of various print segments in the US and Canada have been certified SGP. More than 30 organizations are supporting its efforts as SGP Patrons.

LISTING OF EXHIBITORS

Synasia Inc.

Contact: Kevin Greene
240 Amboy Avenue
Metuchen, NJ 08840 USA
PH 732-205-9880
FX 732-205-1788
kgreen@synasia.com
www.synasia.com

Toyoda Gosei

Contact: James Creveling
1400 Stephenson Highway
Troy, MI 48083 USA
PH 248-280-7436
FX 248-280-2121
james.creveling@toyodagosei.com
www.toyoda-gosei.com
Toyoda Gosei is a leading manufacturer of rubber and plastic automotive parts and Light Emitting Diodes. TO provides a broad range of quality products internationally, with a network of 65 group companies in 18 countries and regions. For Radtech 2016, Toyoda Gosei has developed the Glass UV package, a UV emitting die encapsulated in protective glass.

Unimin Specialty Minerals, Inc.

Contact: Ronald Pataky
258 Elm Street
New Canaan, CT 06840 USA
PH 203-966-8880
FX 203-966-3453
rpataky@unimin.com
www.brilliantadditions.com
Unimin Specialty Minerals, Inc. offers advanced clear coating mineral filler solutions with MINEX® Functional Fillers and Extenders. A naturally occurring sodium potassium alumino-silicate, MINEX offers a distinctive combination of structural properties sought by formulators. In addition, the optical properties of MINEX® are inherently well suited for radiation cured systems. Virtually transparent to ultraviolet and visible light, MINEX supports efficient UV curing without affecting transparency even at high loading levels.

Ushio America

Contact: Michael Clark
5440 Cerritos Avenue
Cypress, CA 90630 USA
PH 800-838-7446
mclark@ushio.com
www.ushio.com
Ushio America is a world leader in the manufacturing of specialized UV products for the printing and curing markets from lamps to LEDs. We also offer a complete module and system solution in the ultraviolet spectral region. Our UNIJET UV LED series is the ideal choice for the UV curing and printing industries.
UV Chem-Keys Co., Ltd.
Contact: Alex Qi
RM-304, Tongsheng Mansion
No. 458, Fushan Road
Shanghai, 200122 China
PH 0086-21-38680172
FX 0086-21-38680173
a.k@uvchemkeys.com
www.uvchemkeys.com
Leading supplier for UV photoinitiators/PIs, esp. for polymeric UV PIs, used in food and medicine packaging, pigmented formulations, thick sections, electronic applications.

UV+EB Technology Magazine
Contact: Dianna Brodine
PH 785-271-5801
FX 785-271-6404
dianna@petersonpublications.com
www.uvebtechnology.com
UV+EB Technology—a magazine dedicated to ultraviolet and electron beam curing technologies—features technical articles, application highlights, industry news, new product announcements and more. Its content reaches approximately 24,000 readers every quarter through a printed publication and digital edition, as well as a monthly ENewsletter and website. UV+EB Technology is an official publication of RadTech International North America, featuring technical articles recommended and reviewed by RadTech’s Editorial Board.

Zhejiang Yangfan New Materials Co., Ltd.
Contact: Sherry Fu
5/F, Yangfan Venture Plaza, 31# Xincheng Road
Binjiang District
Hangzhou, Zhejiang 310051 China
PH +86-571-88998370
FX +86-571-88902500
fy@shoufuchem.com
www.shoufuchem.com
Zhejiang Yangfan New Materials Co., Ltd. is a professional supplier of photoinitiators in China with ISO9001 and ISO14001. Shou&Fu Chemical has been our brand for more than 30 years. The main products are PI-907, PI-369, PI-ITX and PI-BMS to be used in inks and coatings. We promise to create reliable production base and supplier of photoinitiators.
Sponsors: