RadTech Report 2007

A Year in Review

The following is a list of articles that appeared in the RadTech Report in 2007. These articles provide valuable information and data for the UV&EB industry. For a copy of a specific issue, contact RadTech at (240) 497-1242 or visit RadTech’s Web site at www.radtech.org to download a specific article.

January/February 2007—Buyer's Guide
- UV&EB Industry Buyer’s Guide
- Pilot Lines & Toll Coaters

March/April 2007—Printing & Packaging
- The Changing Economics of EB Curing —By Mikhail Laksin and Joshua Epstein
- UV Lamp Configuration Effects on the Curing Properties of Coatings —By Jacob Staples, Stephen Lapin and Simon Whittle
- Electron Beam Gas and Aroma Barrier Technology —By Im Rangwalla
- UV&EB Inks for Food Packaging Materials: Going the Extra Mile —By Tom Dunn
- Advancements in UV-Hybrid Inks —By Don Duncan
- Food Packaging Safety —By Ronald Golden

May/June 2007—University Issue
- UV-Curable Vinyl Functionalized Siloxane Colloids —By M.D. Soucek and J. He
- Characterizing a Novel Low-Voltage Pulsed EB: Challenges in Dosimetry —By K. Benjamin Richter, Alan V. McCormick, L.E. Scriven and Douglas E. Weiss
- Acryloyl Morpholine for UV Curing —By James A. Dougherty, Louise I. Lynch and Len Mahamoud
- Effect of Water in Cationic Photopolymerizations: Reversible Inhibition —By Ruiping Huang, Beth A. Ficek, Shedric O. Glover and Alec B. Scranton
- IUCRC Completes its Seventh Year and Receives an ACS Award —By Beth A. Ficek and Alec B. Scranton

July/August 2007—Manufacturing & Architecture
- UV Coatings Enhance Decorative Metals —By Mike Christiansen
- Qualifying, Defining and Implementing a Successful UV Project —By Dan Sweetwood and Michael Kelly
- VOC Test Method for Architectural Coatings —By Rita Loof
- UV Powder Goes Green —By Steve Couzens
- Status of Radiation Curing in Asia —By Zaman Khairul
- Applications and Progress of UV-Cure Technology in China —By Wenfang Shi, Youkai Jin and Yangzhi Jin
- UV&EB Market and Business Status in Japan —By Takashi Yamadera
- UV&EB in North America —By Gary Cohen

September/October 2007—Electronics & Fiber Optics
- A Simple and Inexpensive Method to Measure Photopolymerization Shrinkage Stress —By Peter D. Ganahl, Alec B. Scranton and Chris N. Coretspoulos
- UV&EB Opportunities in Printed Electronics: Summary Report —By Graham Battersby
- UV-Cure Temperature Maintains LightScribe Color Change Chemistry —By Susan E. Bailey
- Designing UV-Curable Materials for High-Temperature Optical Fiber Applications —By Daniel A. Wilson, Matthew M. Ellision and Zhang Xiaoyan
- UV Curing for Printed Electronics —By Kim Eiroma, Liisa Hakola, Jukka Hast, Arto Maaninen and Jarno Petäjä
- Optimization of UV Curing Multiple Elements by On-line Measurements —By Rick Chamberlain, Paul Schumegger, Bob Stulpin, Harri Turunen and Tim Dougherty
- A Novel Two-Photon Absorbing PAG and its Application in 3-D Microfabrication —By Kevin D. Belfield, Ciceron O. Yanez and Zhe-li Huang
- UV-Coatings Technology Delivers Best Economic Value Statement —By Dan Sweetwood and Michael Kelly

November/December 2007—Emerging Markets & Applications
- Oxime Sulfonate Chemistry for Advanced Microlithography —By Hitoshi Yamato, Toshikage Asakura, Yuichi Nishinai, Akira Matsumoto, Junichi Tanabe, Jean-Luc Birbaum, Peter Murer, Tobias Hintemann and Masaki Ohwa
- Computational Analysis of the Photoinitiation Pathway of 2,2-Dimethoxy-2-Phenylacetophenone —By Abby R. Moore and T. Brian Cavitt
- Repair and Touch-Up of UV Wood Finishes —By Randel Cain
- The Next Generation of Optical Data Storage: Holography —By Lisa Dhar and Edwin Hortolano
- Use of Modeling to Optimize UV Solutions and Understanding —By Glen Thommes and Jeff Thommes
- A Case Study: UV Processes and a Corporate-Wide Green Movement —By Tom Pearsall and Chris Mirt
- A New UV Polyurethane Dispersion for Outdoor Applications on Wood —By Michel Tielemans, Jean-Pierre Bleus and Matteo Vasconi
- Bright Spots on the Horizon: UV LED and Inkjet Graphics Printing —By Dan Marx
- Creative Effects for Glass Decoration —By George Koch