

JOINING NEWS

**NEWSLETTER OF THE SOCIETY OF PLASTICS ENGINEERS
JOINING OF PLASTICS AND COMPOSITES SPECIAL INTEREST GROUP**

Message from the Editor

Dear Members,

I would like to take this opportunity to thank all of you for being involved in the Joining of Plastics and Composites Special Interest Group. Kindly encourage more SPE patrons to join and contribute to our SIG. Our webpage under the new SPE site can be accessed at the following link under chapters: [SPE Joining of Plastics and Composites SIG](#)

For more connecting and interacting with our group members, current, past and new members of the Joining of Plastics and Composites SIG, you are encouraged to join the LinkedIn group for our SIG which is 81 members and growing. You are welcome to use to LinkedIn group as platform to post jobs, host discussions, share news, and communicate about joining events and issues. **For joining the group please sign up here:** [SPE Joining of Plastics and Composites Special Interest Group on LinkedIn](#)

This year ANTEC 2019 was located at the Renaissance center in Detroit, Michigan on March 18th – 21st, 2019, we had a small lineup of sessions with good participation from our academic and industry members. We extend our sincere thanks and appreciation for those who helped organize the sessions, who volunteered to review papers, and including the writers and contributing speakers for making ANTEC 2019 a reality. Additionally, many thanks to all the attendees, without whom we could not have a great conference.

At ANTEC, we had one session this year, which included presentations on new adhesive based joining studies and other simulations and technologies. The paper of the year award was selected by the panel of paper reviewers and this year the honor went to Rajendra Prasath Palanisamy, Michigan State University for their paper titled, "Process Monitoring of Induction-based Adhesively Bonded Lap Joints."



Rajendra Prasath Palanisamy was presented his award by Bill Reed from Emerson-Branson

We hope to see you at [ANTEC 2020](#), which will be held in San Antonio, Texas, March 30th – April 2nd, 2020. As always, please mark your calendars –Papers would be due for submission on **October 2018**! More details on paper submission to follow.

Wish you all a pleasant summer!

Shankar Srinivasan,
Newsletter Editor, Joining of Plastics and Composites SIG

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ANTEC 2019 WRAPUP

For everyone who missed ANTEC 2019 conference, below are the papers that were presented. If you are interested in obtaining a copy of these papers, please contact SPE.

Tuesday afternoon March 19, Moderator: Alex Savitski(Dukane)

PAPER TITLE	SPEAKER
PROCESS MONITORING OF INDUCTION-BASED ADHESIVELY BONDED LAP JOINTS	Rajendra Prasath Palanisamy, Michigan State University
EVALUATING HEALING BEHAVIOR OF REVERSIBLE ADHESIVE BONDED JOINTS SUBJECTED TO TRANSVERSE IMPACT LOADS	Suhail Hyder Vattathurvalappil, Michigan State University
EVALUATING RESIDUAL STRESSES IN BONDED LAP JOINTS THROUGH EXPERIMENTS AND NUMERICAL MODELING	Syed Fahad Hassan, Michigan State
EFFECTS OF POST-MIXING TIME AND DISPENSING METHOD ON THE DUAL CURABILITY OF A TWO-PART ACRYLATE-EPOXY HYBRID ADHESIVE SYSTEM	Xiaoping Guo, Abbott Labs
EXPERIMENTAL DETERMINATION OF REDUCTION FACTORS FOR THE DIMENSIONING PROCESS OF THE SHEAR TENSILE STRENGTH OF A SCREW BLIND RIVET	Elmar Moritzer, University of Paderborn
DIRECT JOINING OF POLYTETRAFLUOROETHYLENE AND POLYAMIDE TO STEEL VIA USE OF SURFACE TREATMENT	Miranda Marcus, EWI
MODELLING LASER LIGHT TRANSMISSION IN THERMOPLASTIC COMPOSITES USING MONTE-CARLO SIMULATION	Philip Bates, Royal Military College of Canada

TOPCON 2019

Registration is Open for 2019 Topical Conference & Symposium

Registration is open for the 2019 SPE Decorating & Assembly Division Topical Conference (TopCon), which will run in conjunction with the 2019 In-Mold Decorating Association (IMDA) Symposium. Both conferences will take place June 3-4 at the Franklin Marriott Cool Springs outside Nashville, Tennessee, with an opening reception on the evening of June 2.

The Joining Sig will be participating in the conference with Miranda Marcus presenting a paper and leading one of the Workshops entitled "Solutions for Joining with Decorated Assemblies". There also will be several other papers on Joining/Assembly from leading companies including Dukane, Emerson-Branson, and Emabond. The event also will include a Supplier Trade Fair – open to all conference attendees – with tabletop exhibits from leading suppliers to the industry.

All Joining Sig members can attend at the SPE pricing. For a full schedule on the event along with Registration details, visit www.plasticsdecorating.com and click on the Topcon link. For questions, call 785.271.5801 or email jeff@petersonpublications.com.

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