



Building & Infrastructure Division

Dear Members:

Happy Spring everyone! ANTEC is approaching very fast and we have been busy getting ready for it since our last newsletter. As you all know we are now Division in Formation (DIF). This move from SIG to DIF has given us an opportunity to expand group's vision and serve better to its member. But we have to build our member base again as not all SIG members move automatically to DIF. Please encourage your colleagues who work in this field or have interest in this field to join this newly formed Division. I assure all members that we will continue to build and expand this division.

This is my last writing as a chair as my term will be ending just after this ANTEC. I've enjoyed working with all board members of this DIF over the past six years. I will still remain with the group in capacity of Counselor, representing division at SPE level. Again I really appreciated all the work Board of Directors has done.

The annual board member meeting will be held in OCCC North Level 3: Room N320C at 12 noon on Tuesday May 8, 2018. We will have a close door board meeting this year but I would encourage you to volunteer to work on the board. Please reach out to any board member.

Hope to see you all in Orlando!

Abhishek Ambekar

Membership:

Please note that Plastics in Buildings and Construction (B&C) Special Interest Group (SIG) is now converted into Plastics in Building and Infrastructure (B&I) division. There are some changes regarding membership we should be aware of as we move from SIG to division. When you renew your membership you can enroll for any number of SIGs for free, however, you can enroll for only two divisions for free. For additional enrollment you need to pay \$10 for each division. If you are a member of Plastics in B&C SIG, you have following options to be a member of Plastics in B & I division,

- 1) Pay \$10 to get division membership
- 2) Call SPE (Gene Havel at 203 740 5457) to choose Plastics in B&I division as a free division, in order to do that one has to give up free membership of other division

Any of above option can be chosen at any point of time, you don't have to wait till membership renewal time. ***I encourage everyone to choose one of the options to be a member of B & I division by end of the month.***

If you have any question on membership, feel free to get in touch with membership chair, Manoj Nerkar at mnerkar@dow.com.



Session for Building and Infrastructure at ANTEC® 2018

Technical sessions of the Building and Infrastructure division will have a wide variety of valuable presentations. This year we will have three speakers during Wednesday afternoon session. Topics covered include polymer composites, film technologies for building and constructions and corrosion inhibition in polymers for buildings technology. The following papers will be presented during the afternoon session on Wednesday:

4:30 pm - 5:30 pm	Design Knock-Down Factors on Polymer Composites Under Harsh Environments Dr. Hota Ganga Rao, West Virginia University.
5:30 pm – 6.00 pm	Film Technologies for Advancing Building Skin Features Sebastian Zehentmaier, 3M Dyneon
6.00 pm - 6:30 pm	Corrosion Inhibition Model for Aluminum by Sodium Carboxy Methyl Cellulose (Polymer) in Acidic Solution Macdenis Egbuhuzor

Biography of Speakers at Plastics in B&C session



Dr. Hota V. S. GangaRao is the Maurice A. & JoAnn Wadsworth Distinguished Professor of Civil and Environmental Engineering at West Virginia University. He first joined WVU in 1969 after obtaining a M. Sc. and Ph. D. in Civil Engineering from North Carolina State University. He also holds a B. Sc. Degree in Civil Engineering from IIT Madras, India.

Dr. Ganga Rao's area of research includes the design, development, production and implementation of fiber reinforced polymer composites in

infrastructure, including recycled polymers for constructed facilities with emphasis on high structures, utility poles and underground structures.

Since 2008, he has been Director of the National Science Foundation Center for Integration of Composites into Infrastructure. Dr GangaRao is a Registered Professional Engineer (Structural Engineering), a Fellow of the American Society of Civil Engineers and of the Structural Engineering Institute of ASCE. He has authored over 350 technical papers, two textbooks and 11 US patents.



Sebastian Zehentmaier has been an Application Engineering Specialist with 3M Dyneon in Germany for the past 11 years. In this role, he is in charge of global application and product films and film applications. Before that, he was a process engineer development for fluorothermoplastic materials like ETFE and FEP as well as for the development of forward integrated fluoropolymer at 3M's sBOPP manufacturing plant in Greenville, SC for 6 years. Prior to joining 3M, Sebastian was in charge of process engineering and film development with Brückner Maschinenbau in Germany. During his 15-year tenure there, he commissioned more than 20 complete BOPP lines all around the world.

Sebastian holds an engineering degree in Polymer Technology from the University of Applied Science in Rosenheim, Germany. In his spare time he enjoys being active in an amateur theater company. He loves rock music, mountain biking, kayaking, and spending time with his wife and three kids.

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Building and Infrastructure Division is now available to only SPE members. We are always looking for new Board members to help with planning and execution of various division activities such as ANTEC® sessions, fundraising and community events. The division Board meets face-to-face at ANTEC® every year, and by monthly teleconference. As an incoming member, we ask for a two-year commitment from you and your employer. In return, we provide good networking opportunities and a word of appreciation for your company in one of our newsletters. If you are interested in joining us, please contact **Abhishek Ambekar** at abhishek.ambekar@solvey.com or **Mark Barger** at mabarger@dow.com