



January 11th, 2016

ASM – AFS Technical Meeting



Cemposit Materials

For more information and to register,

[CLICK HERE](#)

by January 7, 2016

Location:

Sazani's Steak and Pasta House

7327 N Galena Rd.
Peoria, IL 61615

Schedule:

4:30 – 5:30
Social Hour

5:30 – 6:00
Dinner

6:00 – 7:00
Tech. Presentation

Details:

Dinner is subsidized and will be \$15 if you pre-pay (via PayPal invoice) or \$20 at the door for ASM-AFS members (\$5 for students), \$20 pre-payment or \$25 at the door for all other attendees (\$10 for student non-members).

Presentation Abstract:

Cemposit Materials (called macro-defect-free cement in the technical literature) are a class of cementitious composites that are processed like rubber and result in a rigid product that is competitive in terms of strength and cost compared to certain metals, wood, and plastics. In mid-2014 research at Caterpillar found technology that overcame the historical weakness of this class of materials – water resistance. Continued development arrived at formulations with a combination of excellent flexural strength, repeatable processing characteristics, and stability in water out to 24 weeks of continuous immersion. These characteristics promise to make Cemposit a new competitive class of materials that could have applicability well beyond traditional Caterpillar products including products such as utility poles, bridge beams, and commercial decking.

Presenter:

Aaron Amstutz is a Technical Steward at Caterpillar for polymeric and composite materials. He has been at Caterpillar for 17 years with experience in filter engineering, rubber component engineering, rubber compounding, polyurethane formulating, patent searching, and now Cemposit formulating. He graduated from the University of Illinois with a MS in Materials Science - Polymer Specialty and is thankful to still be working in that field.

For more information and to register [Click Here](#). If you have difficulty using the online form, please RSVP to Rachel Dressler (Dressler_Rachel_L@cat.com) or (309) 494-2499
www.asm-afs-peoria.org