

HIGH-PERFORMANCE SMC (HP-SMC)

3rd Workgroup Meeting with Study Information Event

WHAT HAPPENED SO FAR?

During the previous workgroup meetings, three work packages were defined in order to build an HP-SMC toolbox:

- **Work package 1: Material Characterization**
The draft proposal for the public funded project for a Material Database for SMC and other Composites was submitted.
- **Work package 2: Standards & Norms**
A review of applied SMC test methods at chosen AZL partner companies was presented and discussed. The demand for reviewing existing standards and norms for the testing of SMC was addressed.
- **Work package 3: Design Guideline**
The development of "Design Guidelines" is an important step to overcoming over-engineering. A proposal for an initial Market and Technology Study for High-Performance SMC was prepared by AZL in cooperation with IKV. In order to involve OEMs, an intermediate meeting took place with BMW, General Motors, MAN Truck & Bus AG, Volkswagen AG and Toyota to specify the requirements and to define the content of the study.

Furthermore, the Business Platform for HP-SMC, the technology-related website for the external presentation of the workgroup companies, will be built up by the workgroup members. Partner companies can send their company profiles and use cases.

SCOPE OF THIS OPEN WORKGROUP

Main part of this open Workgroup Meeting is the Information Event on the Joint Market and Technology Study on High-Performance SMC. The study will provide in-depth knowledge on SMC applications and technologies, key challenges and technological solutions for establishing High-Performance SMC. The workgroup meeting will be an open workgroup involving companies outside the AZL Partner Network with an interest in HP-SMC. Keynotes from three invited companies provide industrial impulses for HP-SMC.

MEETING DETAILS

WHEN?

Wednesday,
May 31st, 2017
10:00 – 15:00 h

WHERE?

WZL of RWTH Aachen University
Manfred-Weck Haus
Room "Großer Hörsaal"
Steinbachstraße 19
52074 Aachen, Germany

YOUR CONTACT

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REGISTRATION

Registration for non-partners:

www.lightweight-production.com/go/hp-smc

Registration for AZL Partner Companies via Partner Section:

www.login.azl-aachen-gmbh.com/dates/200_2017-05-31/

AGENDA

10:00 Introduction, Objective of the Day and Update (*Dr. Michael Effing, AZL*)

10:30 Keynote Presentations

“High-Performance SMC with continuous fiber reinforcements using non-crimp fabrics”
(*Steven Bakker, SAERTEX GmbH & Co. KG*)

“Epoxy developments for styrene free high performance SMC production”
(*Dr. Alex Schmidt, Hexion B.V.*)

11:30 **Joint Market and Technology Study on High-Performance SMC**
Proposal by AZL in cooperation with IKV as discussed in the OEM intermediate meeting

- Presentation of the study content and proposal (*Arne Böttcher, IKV*)

12:00 Lunch

- 12:45**
- Feedback and next steps
 - Preferred use cases/applications
 - Feedback from the OEMs

13:15 Keynote Presentation

“New generation of testing systems for fibers, resins and composites”
(*Dr. Stefan Fliescher, Textechno Herbert Stein GmbH & Co.KG*)

13:45 Update Business Platform (Marina Biller, AZL)

14:00 Update on Work Package 1 and 2: Material Characterization and Standards & Norms

- Review of existing norms for testing of SMC (*Andreas Uelpenich, IKV*)
- Initial results of an IKV benchmarking study on process simulation software (*Andreas Uelpenich, IKV*)
- Discussion on available tooling

15:00 Closing Session and next steps (*Dr. Michael Effing, AZL*)

15.15 Optional tour to IKV and AZL Machinery Halls

Information Event