Plastic Materials in Plant Engineering

New Developments and Experience in the Industrial Application

6th International Conference
April 17 – 18, 2018
Munich, Germany
About the conference

The sixth conference “Plastic Materials in Plant Engineering” will feature practical reports and operational experiences as well as lectures regarding material selection, design and material testing of thermoplastic components. The programme will also focus on welding processes.

You will benefit from reports of well-known companies and skilled experts. Take the chance to meet colleagues and to discuss latest findings!

Furthermore inform yourself on services and products of various industry companies by visiting the exhibition, which will be held parallel to the conference.

Conference languages

German and English

A simultaneous translation into English will be provided for all presentations given in German.

Committee

- Basell Polyolefine GmbH
  Herbert Terwyen
- Borealis Polymere GmbH
  Peter Schönbach
- FRANK GmbH
  Torben Knöß
- SIMONA AG
  Marco Stallmann
- TÜV SÜD Industrie Service GmbH, Institute for Plastics
  Kay Engel, Frank Griebel

The Conference addresses to

- Plant design engineers and plant builders
- Manufacturers of chemical tank and equipment construction
- Manufacturers of pipe- and ventilation systems
- Engineers and designers
- Plant operators
- Manufacturers of raw materials and semi-finished products
- Research and development, universities
- Government agencies and associations

CONFERENCE FEE AND VENUE

€ 830,— plus current VAT (if applicable)

The registration fee includes conference documentation, lunch and beverages during breaks as well as the evening event.

TÜV SÜD · Auditorium Chiemsee
Westendstr. 199, Munich, Germany

You will receive travel and hotel information with the confirmation of your registration.
Agenda on April 17, 2018

09:15 Welcome by TÜV SÜD

09:30 Global plastics production in turmoil
Daniel Stricker, Chefredakteur KI, Head of Market Research KI Group, Bad Homburg (DE)

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Regulations & Standards
Chair: Frank Griebel, TÜV SÜD Industrie Service GmbH

10:15 Authorization process acc. to German water protection act. (§63 WHG new) and AwSV
Henrik Faul, TÜV SÜD Industrie Service GmbH, Mannheim (DE)

10:40 ATEX – Requirements for vessel and plant construction
Ulrich Jacobs, TÜV SÜD Product Service GmbH, Munich (DE)

11:05 Coffee break

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Material Selection, Design & Processing
Chair: Dieter Eulitz, SIMONA AG

11:35 HDPE for industrial applications: production, structure and potential
Peter Schönbach, Borealis Polymere GmbH, Burghausen (DE)

12:00 Trend in thermoplastic linings
Achim Litzenburger, SIMONA AG, Kirn (DE)

12:25 Safe welding of fluoropolymers in plant constructions
Johannes Derfler, AGRU Kunststofftechnik GmbH, Bad Hall (AT)

12:50 Lunch

13:50 Innovations in tank design: improved safety and economy with Smart Tank
Dr. Ingo Lukas, IFKI- Ingenieurbüro für konstruktiven Ingenieurbau, Lohsfeld (DE); Conrad Mathias, SIMONA AG, Kirn (DE)

14:15 Plastic pipe materials in hot mineral processing
Shay Hay, Golan Plastic, Sha’ar HaGolan, Israel

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Claims & Lifetime Assessment
Chair: Torben Knöß, Frank GmbH

14:40 ERROR – damaged valves: from claim management, over root cause analysis, to the solution approach
Julia Pleiner, Praher Plastics Austria GmbH, Schwertberg (AT)

15:05 Lifetime of thermoplastic tanks, pipes and apparatus – application examples
Frank Griebel, TÜV SÜD Industrie Service GmbH, Munich (DE)

15:30 Coffee break

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Material Testing
Chair: Kay Engel, TÜV SÜD Industrie Service GmbH

16:00 Fit for service – NDT
Non Destructive Testing (NDT) of electro- and butt fusion through ultrasonic from polyethylene or polypropylene
Anne-Marie Hof, Georg Fischer GmbH, Albershausen (DE)
Current developments in ESCR testing of Polyethylene – an overview
Britta Gerets, Dr. Mirko Wenzel, SKZ – Das Kunststoff-Zentrum, Würzburg (DE)

Evening Speech:
Additive manufacturing in plastics industry – state of the art and actual developments
Prof. Dr. Uwe Gleiter, Hochschule Heilbronn (DE)

End of first conference day

Agenda on April 18, 2018

Welding Processes
Chair: Marco Stallmann, SIMONA AG

Hot gas welding of thermoplastics in the chemical processing industry
Karin Jacobson, Swerea KIMAB, Kista (SE)

Infrared welding in the field of plastics
Markus Theobald, Eugen Riexinger GmbH & Co. KG, Bad Liebenzell (DE)

Twin-Wall Sheet – lightweight alternative for tank building
Konstantin Birt, SIMONA AG, Kirn (DE)

Coffee break

Project Reports & Operational Experience I
Chair: Peter Schönbach, Borealis Polymere GmbH

Tank ventilation
Dr. Stephan Menzer, Chem Resist Group Ltd., Dewsbury (GB)

True strength comes from the inside!
Use of construction panels in tank building
Matthias Klein, Thomas Schüer, Röchling Engineering Plastics SE & Co. KG, Haren (DE)

Bavarian breakfast

Project Reports & Operational Experience II
Chair: Kay Engel, TÜV SÜD Industrie Service GmbH

Lining of electrophoreotic dip coating tanks with thermoplastic material to obtain an insulating layer with min. 20 kV dielectric strength
Benjamin Siegner, EKK Anlagentechnik GmbH & Co. KG, Friedberg (DE)

Flexible fuel storage tanks
Dr. Jens Storre, Continental, Northeim (DE); Felix Strobel, TÜV SÜD Industrie Service GmbH, Munich (DE)

Big throttle valves. Which tightness must be achieved.
Project reports of throttle valves for venting systems
Christian Büttner, FRANK GmbH, Mörfelden-Walldorf (DE)

End of conference
Registration at

www.tuev-sued.de/congress/plastic-materials
congress@tuev-sued.de

Sponsor:

SIMONA

Registration and information
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