



THE 2018 SPECIAL CONFERENCE ISSUE

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The FEICA European Adhesive & Sealant Conference and EXPO

Riga programme published

The programme of FEICA 2018 has been made available for you on the FEICA conference website: at <http://www.feica-conferences.com/programme/conference-programme/>

FEICA® 2018

Riga, Latvia

**FEICA European
Adhesive & Sealant
Conference and
EXPO 2018**

12-14 September 2018

Radisson Blu Latvija - Riga, Latvia



The theme of this year's **Business Forum** is "Adhesives and sealants in the digital age". Parallel **Breakout Sessions** will offer you a chance to get involved in discussions on key topics such as innovation, new opportunities & technological breakthroughs, R&D, new product and market applications, the latest equipment technology, sustainable development, the circular economy, & regulatory impact on the industry. The **EXPO** is the opportunity for producers, distributors, suppliers and service providers of the adhesive and sealant industry to showcase their latest developments.

www.feica-conferences.com

#FEICAConf on 

We look forward to seeing you in Riga!



The FEICA European Adhesive & Sealant Conference and EXPO - Where the world's adhesive and sealant industry comes together

This year's FEICA European Adhesive and Sealant Conference & EXPO takes place in Riga, from 12 to 14 September, and will once again be an impressive event where industry-leaders come together to examine the latest challenges and developments in adhesives and sealants, as well as the implications of wider trends in the economy and society.

Each year, the Conference is attended by 500 to 600 industry professionals, and 2018 will be no exception. **+400 registrations have already poured in** as FEICA secured an exciting line-up of speakers.

It's little wonder therefore, that since 1972 the FEICA Conference and EXPO has firmly established itself as the premier event for Europe's adhesive and sealant industry, consistently providing indispensable insights into the main issues affecting businesses, great and small.

With representatives from a multitude of companies in attendance, it is also the perfect networking opportunity for formulators, customers and raw materials suppliers to discuss global competitiveness, opportunities and challenges, as well as the wider business environment.



Adhesives & sealants in the digital age

This year's Conference will focus on the impact on our industry of the rapid and far-reaching changes resulting from the "digital age". In the opening plenary session of the Conference - the FEICA Business Forum - expert keynote speakers will explore the potential impact of the digital age on business and strive to identify practical strategies that will help adhesive and sealant companies to succeed in this new era.

Ever-tighter integration between our personal lives, public services and industry

Each keynote speaker will examine how the growth of the internet and digital technologies will inevitably lead to ever-tighter integration between our personal lives, public services and industry.

This coming tidal wave will affect the way business and even society operates.

In this context, industry is already at the dawn of "Industry 4.0", which brings together automation and previously unseen levels of data exchange in manufacturing. This is achieved using cyber-physical systems, the internet of things (IoT), cloud

computing and cognitive computing based on artificial intelligence.

Benefits and challenges

Digitalisation can bring many benefits to business, but also brings with it significant challenges.

Data protection and privacy are becoming even more important and it is essential that all organisations take measures now to prepare for these challenges.

The 2018 Keynote Speakers are:

Johan Bruck, Material & Innovation leader, IKEA

Aric Dromi, digital philosopher and professional trouble-maker

Richard van Hooijdonk, trend watcher and expert on digitalisation in the supply chain

Tom Voskes, Founding and Managing Partner, making digital disruption work for you, SparkOptimus

This year, FEICA is expecting more than 600 participants from around the globe to join it in Riga. You can register now at: www.feica-conferences.com



More than 400 delegates have registered so far!

Join them by registering via www.feica-conferences.com

 **FEICA® 2018**

Riga, Latvia

FEICA European Adhesive & Sealant Conference and EXPO 2018

12-14 September 2018 Riga, Latvia



Adhesives and sealants in the digital age

Year-on-year, FEICA attracts 500+ industry leaders to discuss market drivers and trends, innovation, sustainability and technological advancements.

Key Notes



Johan Bruck, Material & Innovation leader, IKEA



Aric Dromi, digital philosopher and professional troublemaker



Richard van Hooijdonk, trendwatcher and expert on digitisation in the supply chain



Tom Voskes, Founding and Managing Partner, making digital disruption work for you, SparkOptimus

The adhesive and sealant industry's essential event

12, 13 & 14 September 2018

- **Network** with other professionals in the adhesive and sealant value chain.
- **Understand market dynamics**, market trends and emerging economic developments that could impact your business.
- **Tap into your end-users' needs** and learn what downstream users expect from you.
- **Expand your knowledge** of the advances in key technologies and applications from research and development professionals at the cutting edge of innovation.
- **Learn about raw material supply chain trends** and what your equipment suppliers have in store for you.

EXPO

12, 13 & 14 September 2018

The Table Top Exhibition opens on Wednesday 12 September at 15:00 and runs until Friday 14 September at 14:30.



www.feica-conferences.com



SPONSORS OF FEICA 2018



Enjoy a great networking and social programme

The FEICA Conference and EXPO is renowned for the fantastic networking opportunities it affords delegates and its excellent social programme is key to the event's success!

Industry professionals from all over the world come together each year at the FEICA Conference and EXPO to discuss all the latest business and technical developments in adhesives and sealants.

Huub Molenaar, Technical Sales at Emerald Kalama Chemical BV told CONNECT last year:

"The annual FEICA event brings doing business, networking, learning, sharing and innovation together in a pleasant ambience. It is for me the ideal venue for meeting all key customers, prospects, co-suppliers, raw material suppliers as well as end-users in the European Adhesives and Sealants industry."

The FEICA event also offers a range of social occasions at which you can meet new business contacts and relax with familiar industry friends.

These include the **Welcome Cocktail**, generously sponsored by **BOSTIK** for all delegates and accompanying persons, and the

ever-elegant FEICA **Conference Dinner**, which is titled '**A Night in Riga**', and takes place on Thursday 13 September.

In addition, the **"accompanying partners programme"** offers the opportunity for delegates' partners to participate in fun and cultural excursions away from the hustle and bustle of the Conference.

More feedback on FEICA 2018

"FEICA Sardinia Conference 2017 was really great. Once again the industry came together to discuss the adhesive and sealant business. Great speeches and incredible networking in a marvelous natural Italian setting. FEICA is the place to be!"



Guido Cami, CEO - Industrie Chimiche Forestali S.p.A.

Put your questions to our panel of thought-leaders

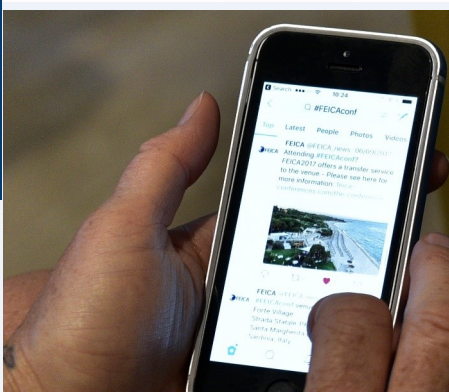
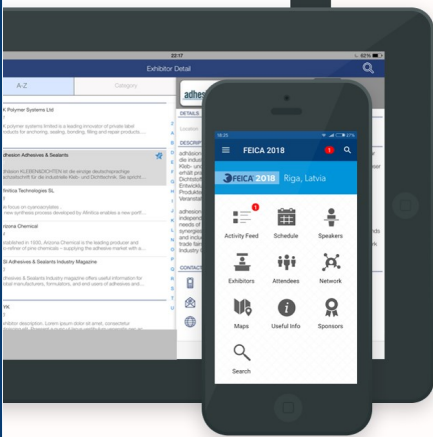
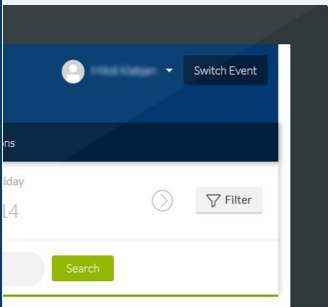
The theme of the FEICA 2018 Business Forum is "the digital age".

Our four keynote speakers will present indispensable insights that encompass global/European and industry viewpoints.

After their individual presentations, they will participate in a panel discussion.

This will provide you with a unique opportunity to put your questions concerning the Forum theme to these thought-leaders.

To submit your question, simply send an email to k.ons@feica.eu and indicate whether you would like it to be asked anonymously or not.



THE FEICA CONFERENCE NETWORKING APP:

Make FEICA 2018 even more productive!

At FEICA, we know that it can be a challenge to meet everyone you'd like to, and so we came up with the visitor portal and FEICA App back in 2015.

With so much to see and do, and so many people to meet, the App was an instant success as it made sure that all delegates got the most out of their visit by being able to plan in advance and by conveniently having all their personalised event information on them at all times.

For FEICA 2018, use the App to:

- Edit your profile and add information to be viewed by other attendees.
- Plan your visit - build your personal agenda.
- Network with other attendees, not only during, but also before and after the event.
- Browse exhibitors and mark the ones you'd like to visit.
- Find your way around with a map of the venue and EXPO.
- View all sorts of useful information.

As soon as you have registered (and paid) for the Conference, you will receive access to the App so that you can **start networking and planning for FEICA 2018!**

Click [here](#) to learn more and Get Connected.

FEICA becomes an official partner of EU-OSHA campaign

FEICA is proud to be part of the European Agency for Safety and Health at work (EU-OSHA) [#EUhealthy-workplaces](#) campaign! This partnership demonstrates FEICA's commitment to the responsible management of chemicals and continuous improvement in Health & Safety. More available on [EU-OSHA's website](#).



The Speakers' Overview and Speakers' Abstracts are available on the FEICA Conference website here:

<http://www.feica-conferences.com/speakers/speakers-overview/>

Some FEICA 2018 abstracts: A taste of what's to come

Migration of adhesive raw materials into food

Dr Henk-Jan de Jager, from Eastman, became the Global Product Steward for the Adhesives business in 2016. He is also active in the field of REACH and food contact related regulations across all Eastman businesses.

His presentation (co-authored by Michaela Hofbauer) will cover the increasing attention towards measuring and understanding the migration of contaminants from food packaging materials into food. As both food and packaging materials are very complex, it is critical to understand for all types whether they contain potential migrants and how they can be distinguished from other components of the overall packaging system. This presentation will discuss the challenges to detect and interpret migration caused by hotmelt adhesive raw materials.

Thursday 13/9/2018, 14:30-15:00

High performance bio-based plasticiser for sustainable adhesive development

Ms Eriksson, from Nynas AB, has an M.Sc. in Chemical Engineering with special focus on Polymer Technology.

Her presentation will explain how highly refined mineral oil is extensively used as a plasticiser in m-PO and SBC based adhesives due to compatibility, stability and appearance.

However, as industry is looking for more sustainable raw materials, there are a few bio-based technologies that are of interest as alternatives.

Ms Eriksson will compare the performance of a bio-based plasticiser (from a renewable oil based on fermented bio-waste) with commercially available mineral oils in both SBC and m-PO adhesive formulations.

Thursday 13/9/2018, 16:30-17:00

Next generation of silane oligomers for magic moments in moisture curable technologies

Dr Thomas Schlosser, R&D Director at Evonik Resource Efficiency, will talk about how organofunctional silanes play a fundamental role as high-performance adhesion promoters and co-crosslinkers in numerous adhesives and sealants.

Traditional silane monomers often give a versatile adhesion spectrum on various important substrates, in e.g. automotive, construction or industrial applications, while silane oligomers offer additional advantages regarding compatibility with polymers, adhesion, mechanical properties, handling or environmental aspects.

In this presentation, the results of several lab studies with newly developed organofunctional silane oligomers of the 2nd generation in moisture curable formulations (e.g. SMP and silicones) will be shown.

Next to lower amounts of released VOC (volatile organic compounds), as in the first generation, new oligomers additionally contribute to better formulate methanol-free products, and have a positive impact on labelling - a topic that is increasingly relevant in today's discussions.

Friday 14/9/2018, 11:00-11:30

EXHIBITION SCHEDULE

Wednesday 12 September 2018

15:00 - 18:00 (Exhibition ONLY)

Thursday 13 September 2018

08:30 - 17:30

(parallel to conference programme)

Friday 14 September 2018

08:30 - 14:00

(parallel to conference programme)





2018 Conference Exhibitors

- Adhäsion – adhesion – Springer Fachmedien Wiesbaden GmbH
- AkzoNobel
- Alpha Wax
- ARLANXEO Deutschland GmbH
- Bitoner Resin
- BorsodChem
- Buss ChemTech
- BYK Additives
- Eastman
- Emerald Performance Materials
- Emerell AG
- Eurikas
- Henghe Materials and Science Technology Co., Ltd.
- Higree
- Hinterwaldner Consulting / MKVS
- Imerys Carbonates
- Ingevity
- JPB Industry
- Kemat Polybutenes
- Keyser & Mackay Deutschland
- King Honor International Ltd.
- Kraton
- Lanxess Urethane Systems
- Luhua
- Lyondellbasell
- Nynas
- Omya
- PCC Rokita
- Poly-clip System
- Repsol
- Rütgers Germany
- Sasol
- Stepan
- Sulzer Mixpac
- Total Fluides
- United Performance Materials Corp.

REACH 2018



The 10-year registration period for existing chemicals ended 31 May.

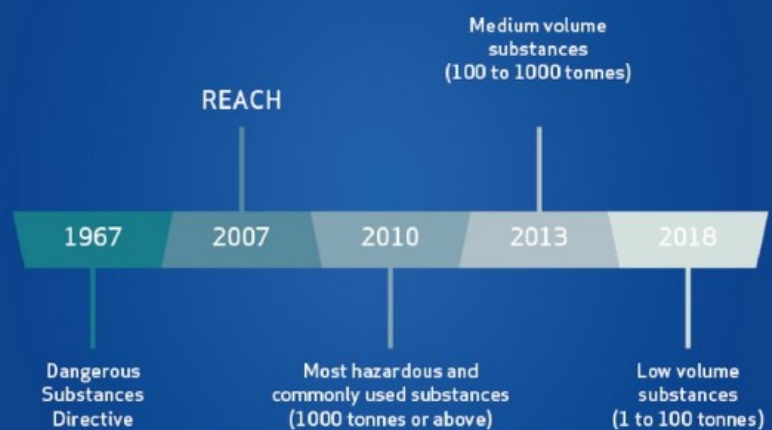
What has been achieved and what does the future hold?

In 2007, the European Parliament and the Member States adopted the REACH Regulation, based on the principle of “no data, no market”.

Its aim was to ensure the safe use of chemicals in the EU.

REACH required chemicals companies to describe the

Road to chemicals safety in the EU



impact on human health and the environment of the chemicals they make, and manage the risks, if they wanted to continue doing business.

The proof that a particular chemical can be used safely had to be submitted to ECHA in the form of a registration dossier,

which documents the chemical's properties, uses, and conditions for safe use. Information on how to use the chemical was also required to be communicated to users in the supply chain.

The registration of chemicals took place in three logical stages:

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30 November 2010

First registration deadline: Most hazardous and commonly-used substances (manufactured or imported in quantities of 1,000 tonnes and above p.a.).

31 May 2013

Second registration deadline: Medium volume substances. (100 – 1,000 tonnes p.a.).

31 May 2018

Third registration deadline: Low volume substances (1 – 100 tonnes p.a.).

To mark the occasion of the third deadline, ECHA held a webinar on 1 June, titled “Safer use of chemicals in Europe – what has been achieved and what’s next after the completion of substance registration”.

CONNECT sat in on the webinar and has summarised the key points from the webinar in this article.

ECHA highlighted that all the data collected is freely available to everyone through the [ECHA website](#) in what has become the largest database of chemical properties in the world.

It is not only Europe that benefits from the knowledge collected under REACH: **the EU has become a global role model for chemicals safety.** Legislators outside of Europe are inspired by REACH and are setting up similar programmes and benefit from

the data that is publicly available.

Here are a few statistics

Manufacturers of chemicals as well as importers had to register their chemicals. By the end of the third registration period, 13,620 companies had registered.

18% of registrations were submitted by SMEs; 82% by large companies.

23% of registrations were made by only representatives on behalf of a non-EU company and 38% by importers (some of which may also be manufacturers). The rest of the registrations were submitted by EU/EEA manufacturers.

88,319 registrations were received for 21,551 substances. (The numbers for registrations and substances are different as one substance can be registered by more than one registrant (company).

Each registrant must submit their own registration, though companies work together to share data on the substance.)

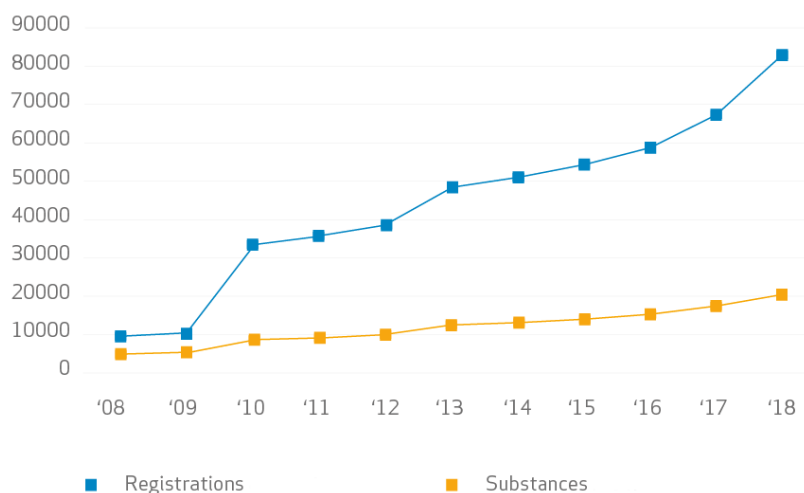
Of these, 82,874 registrations for 20,608 substances have been completed.

The most registrations from any one country came from Germany (25% of total), followed by the UK (14%), then France (10%).

The final registration period saw many more registrations for imports.

The top five non-EU countries were:

- USA 27%.
- China 15%.
- Japan 14%.
- India 12%.
- Switzerland 6%.



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Overall, companies registered less substances than originally estimated by the European Commission in 2006.

There could be several reasons for this, for example, many companies have rationalised their substance portfolios, making their registration decisions based on business analysis. They have, therefore, registered fewer substances than initially planned when they pre-registered.

The impact of this in the chemicals' supply chains will only be clearer by the end of the year.

The benefits of registration

Registrants in 2018 were asked what they saw as the benefits of registration.

The top benefit identified was that **registrants had more information on the properties of the substances they use**, which led directly to the second benefit identified, which was that they could provide improved information on safety to their customers. The two other top benefits identified by the registrants were related to their substance portfolio and sourcing strategy.

Registrants said that the process had given them better visibility of their substance portfolio and volumes, and had sometimes led them to revise their sourcing strategies.

The next steps

For companies, the next steps are:

- **Keep registering!**
- Verify that all substances and uses are registered and, if they are not, **take urgent action** (especially downstream users), by for example contacting their industry association (**FEICA will continue to keep you updated with relevant information**).
- **Keep the information up-to-date.** The registration is a company's "showcase" to demonstrate it is taking the safe use of chemicals seriously, and there is a **legal obligation** to keep the information updated.

For ECHA, the next steps are:

- Conclude completeness checks (by 31 August 2018).
- Publish the information on their website. This will be done as soon as a dossier is considered to be complete.
- Verify the SME status of companies that have declared themselves to be SMEs.
- Large-scale enforcement

project in 2019 in Europe to verify that the chemicals companies have fulfilled their legal requirements. This will also focus on imports and ECHA will work closely with customs authorities to ensure those imports that were supposed to have been registered are registered and that they were registered in the correct tonnage band.

- Evaluate dossiers. This may mean ECHA comes back to the registrants with questions or requests for further information.

Summary of 'Key' messages

21,551 substances have been registered.

As a result, we know more than ever about the chemicals being used in the EU!

Companies have made a massive effort. Thanks to them, information flows in the supply chain are improving worker safety and leading to safer products for all citizens.

The EU has established clear and harmonised rules for all companies. The rules are the same throughout Europe. This is an important factor for free and fair competition within the market.

Registration is only the start of another journey.

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The next journey

- The EU's work will continue to build on ECHA's database of registered chemicals.
- Industry will use the data to handle and use chemicals safely in the supply chain, improve product quality and become sustainable.
- The authorities will take action where necessary to ensure the protection of citizens and the environment, for example, by restricting or authorising certain uses of chemicals.

ECHA gives access to information on chemicals freely via:

<https://echa.europa.eu/information-on-chemicals>

More on this and the impact of Brexit will be available in the October 2018 issue of CONNECT.

You can find ECHA's press release and links to more data and the video 'Journey to safer chemicals' [here](#).

REACH is an acronym for the **R**egistration, **E**valuation, **A**uthorisation and **R**estriction of **C**hemicals. It entered into force on 1 June 2007.

10 years of REACH registration ended on 31 May 2018.

You can see how the entire Evaluation process works [here](#).

FEICA and REACH through the years

FEICA has always alerted its members, and the industry in general, regarding REACH related issues particular to the adhesives and sealants industry.

As REACH does not end with the 2018 registration deadline, but will continue beyond 2018, FEICA will continue to keep its fingers on the REACH pulse.

REACH Supply chain communication

FEICA committed to the [Chemical Safety Report/Exposure Scenarios Roadmap](#) and was very involved with improving the information on safe use along the supply chain.

Please check the FEICA public website here: www.feica.eu/our-priorities/key-projects/reach.aspx

FEICA use maps

Since FEICA's use maps were made available on [ECHA's use map library](#), they have been downloaded thousands of times.

In addition, FEICA use maps were used as examples at the Eleventh meeting of the Exchange Network on Exposure Scenarios ([ENES 11](#)) in the workshop titled 'How a registrant can process information from sector use maps for their chemical safety assessment'.

FEICA will continue to inform all its Members of further developments through the usual channels, including the FEICA public website, FEICA Extranet, twitter, LinkedIn, CONNECT and the FEICA SNAPSHOT (Bi-annual regulatory update for members only).



FEICA publishes 12th Good Practice story

FEICA continues to raise awareness of the efforts made by the adhesive and sealant industry to fully embrace the circular economy.

Good Practice Stories

FEICA promotes excellence in how our members run their business processes to improve sustainable operations; for example, by reducing energy and water consumption, and reducing emissions to the air, water and soil.

Many of our member companies are working on novel solutions to improve process sustainability and life cycle performance.

To demonstrate this, FEICA is sharing these examples of good practice.

The latest example is on repairability, which is one of the most important drivers in the circular economy.

Read all twelve FEICA Good Practice stories on the [FEICA public website](#).



The European Parliament's Ecodesign Working plan

The European Parliament's (EP) Ecodesign Working Plan, which is part of the EU's Circular Economy Package, aims to make products from mobile phones to computers and fridges last longer and perform better.

In its effort to create a greener Europe, the EP is therefore pushing greener solutions.

A [video](#), published last week on YouTube, addresses mobile phones and explains that the aim of making products last longer and work better is not only good for the planet, but also generates real added value, allowing households to save up to 490€ on energy bills each year.

Top priority

Parliament explains that this is one of the reasons that the circular economy is one of the EU's top priorities.

One solution to extend the lifespan of products, which is also the most popular among EU citizens, is to simply repair them.

As part of the plan, Parliament is drumming up political support for manufacturers of modular products that allow parts to be easily and affordably dismantled and replaced.

FEICA ROLE

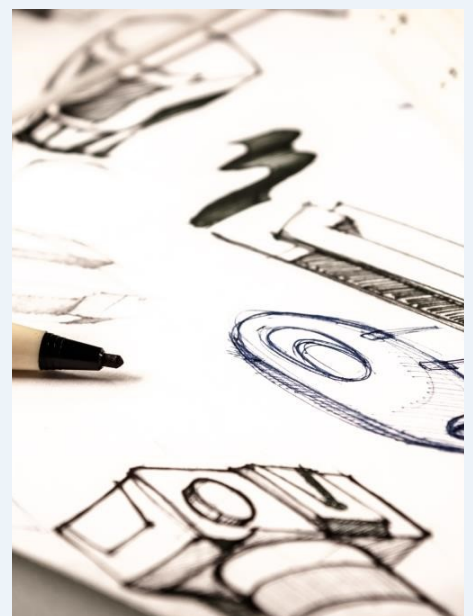
FEICA has already been an active advocate in the ecodesign legislation proposals for electronic displays and servers and supports the principle that design for circularity is important.

Adhesives are an outstanding and versatile fixing solution.

However, the use of appropriate adhesive bonding solutions to facilitate repair and recycle should be properly planned and engineered during the design phase of a product.

FEICA remains an active advocate in this ecodesign legislation and has shared its input to the European Commission in a position paper.

The position paper is available on the [FEICA Extranet](#).



NEW FEICA MEMBERS

LANXESS

FEICA Affiliate Company Member

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50569 Cologne

Germany

www.lanxess.com



MITSUI CHEMICALS

FEICA Affiliate Company Member

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40211 Dusseldorf

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EXPO 2018



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FEICA ON LINKEDIN

FEICA CONNECT is the quarterly newsletter for FEICA Members.

The next issue will be out in October 2018.

Kindly note that FEICA CONNECT is published four times a year; in January, May, June/July (Special Conference Issue) and in October.



FEICA thanks the authors who have contributed to FEICA CONNECT.

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All links are up-to-date at the time of publication.