

CONNECT

FEICA The European voice of the adhesive and sealant industry

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The FEICA European Adhesive & Sealant Conference and EXPO 2018

This year's FEICA Conference and EXPO focussed on 'adhesives and sealants in the digital age', and demonstrated how the growth of the internet and digital technologies will change our lives in ways we cannot even begin to imagine.

At the ever-popular Business Forum, the question was asked 'are we ready for the human and technological challenges presented by the era of digitalisation? - See page 2



600 participants from 35 countries attended the FEICA Conference and EXPO in Riga, making it the most popular event to date!

FEICA President Dr Boris Tasche (IVK- Industrieverband Klebstoffe e.V.) told CONNECT that 'FEICA 2018 again showcased what FEICA truly focusses on and demonstrated how our association continuously strives for a beneficial and sustainable, economic and legislative environment for our industry within the European Union.'

The Conference's parallel break -out sessions gave delegates a chance to attend informative presentations in their own particular spheres of interest ranging from the circular economy and construction sealants to bio-based adhesives and popular market trends.



FEICA received much recognition for its event. Anna Steneholm, Senior Staff Researcher Toxicology at Nynas AB stated :

'A very, very good conference. Brilliant organisation and venue!'.

FEICA 2018: Are we ready for the challenges presented by the era of digitalisation?

Adhesives and sealants in the digital age

Speakers pose thoughtprovoking questions at the 2018 FEICA Conference Business Forum in Riga -

Delegates asked to consider whether they are ready for the human and technological challenges presented by the era of digitalisation

The Business Forum at the 2018 FEICA Adhesive and Sealant Conference & EXPO, held in Riga, Latvia, from 13 – 14 September, provided delegates with a broad look at a potential future world in the era of digitalisation. Titled Adhesives and sealants in the digital age, alongside some of the benefits of digitalisation, it presented delegates with some difficult questions about where humans fit in this new world.

Aric Dromi, Futurologist, Digital Philosopher and Professional Troublemaker, explored "The motion of the future". He charted the recent history of digital technology and channels, highlighting how they had impacted human beings. Dromi said that while, years ago, young children might have aspired to become a movie star, today, they might instead aim to become a YouTube star. This is exacerbated by the fact that, today, **42%** of children aged eight and younger have their own tablet devices, compared to 7% in 2014 and only 1% in 2011.

He therefore talked of "digital heroin", saying, "We are addicted to screens and thus build a business model that is derived from this addiction. Then we surround ourselves with sensors that tell us how our heart should beat and compare it to the average human heartbeat."

This led on to the concept of "smart cities", where Dromi began to question the place of human beings in this world of the future, stating "We're building a world for technology not for people". One of the conseauences of this is that Google knows virtually everything about people that use its various technologies, which includes most people on earth. It is even building machines to predict when medical patients will die. Dromi's ultimate question was, in this era of digitalisation, "What does it mean to be human?"



The next speaker, **Richard van Hooijdonk**, Trend-watcher and Expert on Digitalisation in the Supply Chain, examined "The future of logistics and supply chain management".

Van Hooijdonk has embraced the technology of digitalisation on a personal level, having had two chips embedded in his body to control things such as opening doors, including his car door, and logging onto his computer when he approaches it. He got the delegates thinking about questions such as:

What does logistics look like in the world of driverless vehicles and automatic traffic flows?

How do algorithms and the Internet of Things ensure a fully automated supply chain?

What will be the impact of new production technologies such as 3D printing?



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Van Hooijdonk believes that the future of logistics and transport offers solutions to many of the challenges we face today, "Technology causes acceleration in transport and loaistics. In the future, self-driving systems will drive through the city like 'trains', drones will control transport from the airport and we will all have a self-driving car that effortlessly takes us from A to B. Logistics technology will have a significant impact on production chains and 3D printers will create unprecedented disruption in the supply chain."

He said a consequence of this is that the company of the future will be an ecosystem, requiring collaboration with others to succeed. He also mentioned some of the ways in which companies are stimulating innovation and new thinking. Procter & Gamble for example have a "Heroic Failure Award", which is awarded for the failure with the most learning insights. Van Hooijdonk ended with a challenge to the audience, "Logistics and transportation are ready for these changes. Are you?"





Then, Johan Bruck, Material & Innovation Leader for Polymer Materials and Deputy Manager for the Polymer & Comfort Group, IKEA, talked about "The current and future adhesive needs of IKEA".

Bruck started by discussing the sustainable development activities within IKEA, describing how the company has 200 people working on new materials that are not available today, but will be of possible use in the future.

IKEA's objective, according to Bruck, is to be climate positive by 2030, regenerating resources as it grows the business. One example of IKEA's commitment is that it is the biggest forestry owner in Scandinavia and also has a huge windfarm that compensates for all the energy IKEA uses around the entire world.

Bruck described how IKEA products are constantly revisited

Unsustainable

consumption

to see whether they can be made more sustainable.

The Istad range of zippable plastic food storage bags, for example, have recently been improved and are now made from more than 85% renewable polyethylene based on sugar cane instead of fossil-based polyethylene. They can also be recycled where plastic recycling is available.

Bruck also explained that IKEA is currently undertakina industrial trials with bio-based adhesives.

Looking to the future, Bruck said, "We are optimistic about the future and believe that, over time, we will help more and more people feel the same. From our own history, we know that, what at first seems like a challenge, can become an opportunity, and that limitations can, in fact, lead to amazing innovations."



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Finally, **Tom Voskes**, Founding and Managing Partner, SparkOptimus, told delegates to **"Make disruption work."**

Voskes started by examining the mixed attitudes towards "digital disruption", which range from, "It's going to be the end of jobs, society and human interaction", to, "It's going to solve all our problems and wake us up with the perfect espresso."

He said it may do neither, but what is certain is that "We have entered a new era of technology -driven disruption, and it will continue impacting every sector and industry on earth, creating new ways for companies to serve customers better, faster and cheaper than ever before."

Voskes described how value migrates to those who own the end-customer. For example, Facebook has no content, Uber has no taxis and Airbnb has no properties. But, they do own the end-customer. Voskes then examined how people search on the internet using an example from the world of food. He said, they don't often search for "butter", or for a specific brand of butter, but they do regularly search for a particular "recipe". Consequently, food product companies are starting to add recipe sections to their website in an attempt to get found and



encourage visits as a result of such searches. This search pattern has also led to a disaggregation of product assortments online.

For example, people looking for specific DIY solutions may not visit the website of a general DIY company, but may search for "drills", which might lead them to "paint", which might lead them to "garden cabins", which might lead them to Garden Buildings Direct.

He also explained that understanding the preferences of your customers was just as essential in the digital world as in traditional marketing.

Voskes illustrated this with an example from Booking.com. Booking.com discovered that, when considering travel accommodation, the Dutch prefer to see the inside of their potential



accommodation first, including the bedroom, whereas the Germans prefer to see the outside. This is reflected in the way photographs of accommodation are presented on its Dutch and German websites.

Voskes concluded with a rallying cry to the delegates, "For businesses, the water is heating up, and if you don't want to get boiled, you'll need to craft a winning strategy. But how? You don't have to be a geek-chic millennial, but you <u>do</u> need some new knowledge, and the practical blueprints for its application!"





After the presentations, the four speakers took part in a panel discussion, answering a whole range of questions from an audience that was in equal parts inspired, engaged, inquisitive and anxious. <u>feica-conferences.com</u>



FEICA Members' Seminar 2018

The 2018 FEICA Members' Seminar, titled 'A Business Perspective on Regulatory Challenges' included poison centre notifications, the restriction on diisocyanates, the circular economy, CE Marking information, and mineral oil and other challenges in food packaging adhesives within a changing regulatory landscape.

If you are a member of FEICA, and work in management, business development, R&D, or even regulatory affairs, this is <u>the</u> yearly seminar to attend.

The FEICA Seminar provides a concise summary of some of the activities undertaken by the Technical Working Groups and Task Forces to support members & the whole industry in general.

All seminar presentations remain available for FEICA members on the FEICA Extranet.

The 2018 Conference Proceedings (Break-Out Sessions) are still available for delegates from the <u>FEICA Conference Website.</u>

FEICA 2018 in pictures!









FOR MEMBERS ONLY!

FEICA members and the members of our National Associations are invited to mark their calendar's and join us at next year's FEICA Seminar in Dubrovnik.

11 September 2019











Aside from the Business Forum, FEICA Seminar, Break-Out sessions and growing EXPO, the FEICA event is also known for its social events such as the **Welcome Cocktail** (this year sponsored by **Bostik**) and the very popular yearly **Conference Dinner.** Here delegates get a chance to relax whilst continuing to network and catch up with their peers.



Welcomocktail by Bostik

JOY!



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oal is to promote ruction products tal use of an incorrection If you would like to contribute to a FEICA Technical Working Group or Task Force, please contact news@feica.eu.

You will be helping to shape the industry's future and keep it ticking along as smoothly as possible.

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Winner of the complimentary registration to FEICA 2019!

Everyone who completed the conference feedback survey in Riga was entered into a draw to win a complimentary registration for next year's event. We are happy to announce that Mr Mark Smit from Reaxis is this year's winner of the FREE registration for the next FEICA European Adhesive and Sealant Conference and EXPO, which will be held in Dubrovnik, Croatia, from 11 to 13 September 2019.





Winner of the inaugural EURADH/FEICA Adhesion Innovation Award announced at FEICA 2018

The very first EURADH/FEICA Adhesion Innovation Award was won by **Dr René Hensel** for his paper on '**Composite pillars with a tunable interface for adhesion to rough substrates**'.

Dr Hensel's paper on geckoinspired micropatterned dry

ce for Adhesion to ates

Above: Philip Bruce (FEICA) with Dr Hensel at FEICA 2018

adhesion was considered to be both exciting and topical by all members of the jury. It promises reversible, non-destructive adhesion, which can enable novel biomedical applications such as wound closures and selfadhesive transplants. It can also provide a new solution for innovative pick-and-place technologies in industrial automation and robotics.

Nine candidates sent in inspired research in innovative adhesion science, and the EURADH jury examined each one methodically for everything from scientific impact to practical application.

Each work showed clear benefits to the circular economy, society and/or our industry.

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You can read a summary of each entry on the <u>adhesion inno-</u><u>vation award website</u>.

The bi-annual EURADH/FEICA Adhesion Innovation Award is a great opportunity for both EURADH and FEICA to raise awareness of the outstanding contribution our sector's innovators make towards a circular economy and a better world.

We are already looking forward to the entries for the next edition, which will be in 2020. The next application submission period will start in September 2019, so watch this space!

You can read more about Dr René Hensel and the award on the dedicated FEICA <u>webpage</u>.



www.feica.eu www.feica-conferences.com



Dubrovnik, Croatia

FEICA European Adhesive & Sealant Conference and EXPO 2019

11-13 September 2019 Valamar Dubrovnik Hotels







Message of positive growth from the International Association Heads (IAH) Meeting at ARAC 2018

On 17 September 2018, Philip Bruce, FEICA Secretary General, attended the IAH meeting in Shanghai.

The meeting took place during the 6th Conference of the Asia Regional Adhesive Council (<u>ARAC</u>). Also present were ARAC (the Asian associations from Japan, Korea, Taiwan and China), ASC (the American Adhesive and Sealant Association) and BAMA (the Bangladesh Adhesive Manufacturing Association).

The meeting was hosted by the new ARAC President Michael Yang from CATIA (China Adhesives and Tape Industry Association).

In Asia there has been an increase of 7.4% overall with a total sales of just below 10 million tonnes in 2017. China had the highest growth level in the region. In Europe, growth for 2017 was 3% with a turnover of 14.5 billion EUR. In North America the market increase is forecast at 3% per year (through to 2020). Total sales in 2017 were 4.7 million tonnes. The meeting concluded that global growth remains positive for the adhesive and sealant industries thanks to innovations and strong developments in the key regions.



FEICA launches video:

'The World of Adhesives and Sealants'

The video was launched at <u>FEICA 2018</u> in order to celebrate 'the world of adhesives and sealants' and to create more awareness around the importance of adhesives and sealants in our daily lives.

We hope that the video will demonstrate to all those who watch it that our industry enables a great many things, including resource efficient solutions.

Adhesives and sealants are advanced formulated products that play an essential role in thousands of everyday items. From your mobile phone to your car, your washing machine to your shoes, the construction and weatherproofing of your house, and so much more.

Adhesives and sealants are used to assemble just about everything. Our world would therefore quite literally fall apart without them.

Since it was launched, the video has been watched + 3500 times on <u>YouTube</u> and <u>FEICA</u> received many requests to show it at events or even in lecture theatres. Prof. José Miguel Martín Martínez from the Laboratorio de Adhesión y Adhesivos at the University of Alicante in Spain informed us that he showed it during one of his recent classes on adhesives!

If you would like to receive the MP4 file to show the video at work, an event, or in the classroom, then please contact <u>info@feica.eu.</u>

After all, without adhesives and sealants 'we would be left with not very much at all'. <u>www.feica.eu</u>



NEW FEICA PUBLICATIONS

Sustainable development

The circular economy: The role of adhesives and sealants For decades, adhesives and sealants have been creating sustainable solutions by enhancing the circularity of many products along their life cycles. This FEICA paper explains how our industry supports the European Commission's objective of "closing the loop" of product lifecycles, bringing benefits for environment, economy and society.

Adhesives and sealants: a tradition of innovation for improved sustainable value

The paper demonstrates how our industry creates sustainable solutions along various value chains:

Energy saving: Adhesives and sealants enable solutions that save energy in the use phase of buildings and vehicles, e.g. for the fixation of insulation panels, the production of lightweight cars, etc.;

Material efficiency: Adhesives enable the optimised use of materials, e.g. composite materials for lightweight vehicles and for furniture parts, supporting the use of the renewable materials such as wood in construction;

Reparability: Adhesives enable the repair of many products, e.g. shoes, conveyor belts, etc., thereby extending their utility, use phase and service life;

Durability: Adhesives and sealants extend the life span of products and components e.g. the conservation of food through re-closable packaging;

Recycling: Adhesives which do not impede/burden recycling, e.g. in paper recycling or the cleaning and reuse of returnable glass bottles, as well as recycling efficiency through material efficiency because less material needs to be processed when the product is at its end-of-life.





FEICA publishes handy pamphlet of the European Adhesive & Sealant Industry's European growth rates by end-use market for 2017.

In terms of value, the major end-use sectors for adhesives and sealants in Europe are building and construction, paper and board, transportation and industrial assembly. At least half of the products are used in industrial applications.

You can download the pamphlet from the FEICA public website here: <u>http://www.feica.eu/cust/</u> <u>documentview.aspx?DocID=4115</u>

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New FEICA article published in the European Coatings Journal (ECJ) and Farbe und Lack

In March and July 2018 respectively, ECJ and Farbe und Lacke published the FEICA articles 'Circular Economy: A Paradigm Shift' (Kreislaufwirtschaft: Ein Paradigmenwechsel).

In the article, FEICA talks about the role of adhesives and sealants in the circular economy and ecodesigns.

You can read the full article in English via the FEICA website here:

http://www.feica.eu/cust/documentview.aspx?DocID=3706

The German version of the article is available here:

http://www.feica.eu/cust/documentview.aspx?DocID=3978

Ecodesign

FEICA is an active advocate in the ecodesign legislation proposals for electronic displays and servers and supports the principle that design for circularity is important. A <u>Position Paper</u> on the subject was published on the <u>FEICA public website</u>.

In addition, FEICA is an official member of the European Commission's Ecodesign and Energy labelling Consultation Forum. By participating in the meetings, we are best placed to keep our members up to speed on any current and further developments in ecodesigns.





ESIG launches first Solvents Award.

ESIG, the sector group for solvents at Cefic, has launched the 1st Solvents Award. Applications are open to downstream users of solvents, including anyone involved in the distribution, formulation, storage or use of a solvent.

More information is available in <u>EN</u>, <u>FR</u>, <u>DE</u>, <u>IT</u>, and <u>ES</u> on the <u>ESIG</u> <u>website</u>.

Applications open 1st February 2019

China plans new Food Contact Material (FCM) standards for ink and Adhesives

In an article published on 8 October, 2018, by the regulatory news provider Chemical Watch, reporter Ellen Tatham informed that the China National Centre for Food Safety Risk Assessment (CFSA) is preparing new food contact material (FCM) standards and updating several existing ones.

Among others, there will be a new standard for adhesives and one for printing inks, both covering direct and indirect food contact uses. The draft standard for adhesives is expected to be published for public comments by the end of 2018.

When used in an FCM product, adhesives will have to follow standard GB 4806.1-2016 – general safety requirements on food contact materials and articles. Adhesives will also need to comply with many technical requirements, as well as special migration tests and labelling obligations.

The Chemical Watch article is available here: <u>https://chemicalwatch.com/70673/china-plans-new-fcm-standards-for-ink-and-adhesives</u>



<u>REACH</u> is an acronym for the **R**egistration, **E**valuation, **A**uthorisation and Restriction of **Ch**emicals. 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 extends scope of Model EPDs with silane modified polymers (SMP)

Following several requests from member companies, FEICA extended the scope of the existing Model Environmental Product Declarations (EPDs) to Silane Modified Polymers (SMPs).

Two Model EPDs now cover silane-modified polymers (SMPs):

- Reactive resins based on polyurethane or silane-modified polymer, containing solvent, solvent content between 10% and 50% (declaration number: EPD-FEI-20180092-IBG1-EN)
- Reactive resins based on polyurethane or silane modified polymer, unfilled/solvent-free, polyol-free (declaration number: EPD-FEI-20180091-IBG1-EN)

The content of these Model EPDs has remained unchanged, apart from the extension to SMPs.

The FEICA Model EPDs are available on the FEICA website at http://www.feica.eu/ourpriorities/key-projects/epds.aspx, where the guidance documents can also be found.

These are also available from the Institut Bauen und Umwelt e.V. (IBU) website at <u>https://ibuepd.com/veroeffentlichteepds/</u> (manufacturer = FEICA)



The 10-year registration period for existing chemicals ended 31 May 2018.

In the June 2018 issue of CONNECT, <u>issue 34</u>, we asked the question 'What has been achieved and what does the future hold?'

In this issue, we will cover ECHA's strategic priorities, which it will work on with its stakeholders, the Member States, the EU Commission and its international partners.

By 31 August, ECHA finalised the **completeness checks** for all registration dossiers submitted ahead of the May deadline. The aim of the completeness check was to verify that all the required information had been included in the registration dossier.

Following the completeness checks, registration numbers have been granted to 32,515 submissions made by 5,314 companies. These completed registrations cover 10 708 substances, 7 462 of which have been registered for the first time for the 2018 deadline (for substances in the 1-100 tonnes per year band). More on this can be obtained here.

ECHA's strategic priorities

These are:

To **identify** substances of concern and manage risks. The database of all substances on the market makes this task much easier and more transparent.

To **enhance** ECHA's activities in the area of working with industry to ensure the safe and sustainable use of chemicals throughout the entire supply chain and in the products put on the market for consumers.

To **go beyond REACH**. Using the data it now has, ECHA can work with many others, particularly those working under other pieces of legislation, to use the information, skills and competences it is building to help them further implement their legislation for the good of citizens.



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To help realise these objectives, ECHA intends to improve interlinks with other legislation, for example the Biocidal Product Regulation (BPR), Prior Informed Consent Regulation (PIC), the Classification and Labelling of Products Regulation (CLP) and others.

This will help create synergies and achieve consistency, for the good of the functioning of the legislation and European citizens.

In short, ECHA aims to become a source of knowledge and advice on chemicals, serving European policies on chemicals and European citizens.

New document published on the impact of Brexit on REACH registration compliance

Brexit : Preparing for a future "UK out of REACH scenario"

Due to the highly interconnected nature of chemical supply chains, Brexit will have important implications in the area of chemical regulations for companies both in the UK and in the EU27/EEA countries.

Assuming that the UK would leave REACH as result of Brexit, the European Chemical Industry Council (Cefic) and the UK Chemical Industries Association (CIA) have prepared a <u>briefing note</u> to support business across Europe in preparation for the potential effects Brexit may have on REACH compliance.

ECHA updates information for companies on the UK withdrawal from EU

ECHA's <u>web section</u> for companies on the UK's withdrawal from the EU has recently been updated with new information on authorisation and registration of substances and mixtures under REACH.







Website launched to promote the safe use of diisocyanates

<u>ISOPA/ALIPA</u> have launched a website on diisocyanates: <u>www.safeusediisocyanates.eu</u>. On it, you can find information about diisocyanates and their safe handling as well an overview of the on-going regulatory discussions under REACH (European chemicals regulation) that could potentially impact the manufacture and use of diisocyanates in the future.

FEICA and the Polyurethane (PU) Exchange Panel

The diisocyanates industry has been engaged in the regulatory process right from the very beginning of REACH in order to provide authorities with the best data and information. They also actively provide relevant information to authorities conducting research on diisocyanates in a newly created platform, the **Polyurethane (PU) Exchange Panel**, of which FEICA is a member. The Panel's goal is to allow the entire value-chain to better participate in the informationexchange process with all relevant REACH Competent Authorities in Europe. More on this is available here:



http://www.safeusediisocyanates.eu/diisocyanates-reach

Chemicals and the Circular Economy: A common understanding on what is needed to achieve a circular economy was reached Circular Economy Symposium

The International Council of Chemicals Associations (ICCA) and UN Environment hosted a Circular Economy Symposium on 11 September 2018, where a common understanding on what is needed to achieve a circular economy was reached. Among others, it was mentioned that:

"To fully achieve circularity, new business models, technologies and financing models are required. Furthermore, enabling policy conditions, including regulations and systems that promote incentives are necessary to unleash the full potential of a Circular Economy. However, one also needs to accept the complexity of circularity by acknowledging that the benefits and the challenges related to the very nature of products exist throughout the lifecycle and need to be considered to ensure development of sustainable solutions supporting the achievement of the UN Sustainable Development Goals (SDGs)".

According to the joint-statement, the message from the industry was that "The economy will gradually become more circular when circular value chains become more competitive. It will be an evolutionary process, involving all players, in which practical solutions will survive if they bring benefits for consumers and are viable and profitable for businesses as well as being more sustainable... To support this process, policies should focus on innovations that reduce the cost of reusing (raw)materials and recovering waste, and which improve the longevity, durability and performance of products, based on a full life-cycle approach. A prerequisite to achieve circularity is the safe and sound management of chemicals and waste."

You will find more details and the joint statement in this website: <u>https://www.icca-chem.org/icca-and-un-</u> environment-host-symposium-to-find-innovative-solutions-in-achieving-a-circular-economy/



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Welcome!

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FIPEC announced that Marie-Delphine Bracon recently accepted the position of Product Regulatory Affairs Manager. Marie-Delphine takes over from Claudie Mathieu within the FIPEC regulatory team. FEICA welcomes this new strength to the Aficam team and we wish her the very best.

Fuentes, who has joined Cefic.





Steve Kenny announces retirement, effective 1 January 2019

Steve, who was FEICA President from 2015-2017, leaves H.B. Fuller after nearly 10 years. Active in the adhesives industry for more than 35 years, Steve very much left his mark as FEICA President and Vice President, and made us an even stronger association.

We wish Steve all the very best as well as a very happy retirement. He will be missed!



INDUSTRIEVERBAND KLEBSTOFFE (IVK) announced that Dr Vera Haye recently joined their team as Executive Assistant to Management at IVK in Düsseldorf.

Vera holds a doctoral degree in microbiology and she is experienced in association work for more than ten years.

Some of you will have had the chance to meet Vera at FEICA 2018 in Riga. The whole FEICA team wishes Vera all the very best in her new position.





FEICA elects new Vice President at FEICA 2018



FEICA's European Executive Board (EEB) elected a new Vice President, Roland Albers, Senior Vice President Europe (Bostik).

The fully updated FEICA European Executive Board organigram is available here: http://www.feica.eu/about-feica/organigram/executive-board.aspx

Left to right (back): Philip Bruce, FEICA Secretary General | Stuart Jenkinson (H.B. Fuller) | Phillip Lee (BASA) | Roland Albers (Bostik B.V.), FEICA Vice President | Guido Cami (AVISA) |

Left to right (front) Dr Eva Griessbach (Dow Silicones Belgium sprl), European Technical Board Chair | Dr Boris Tasche (IVK), President FEICA | Antonia Jenney (Dow Europe GmbH), ETB Chair | Dr Silvio Bassi (Coim) | Jean-Marc Barki (AFICAM)

Not in picture: Eric Dehasque (Sika), FEICA Treasurer | Rob Uytdewillegen (Bolton Adhesives)

FEICA thanks the authors who have contributed to FEICA CONNECT.





FEICA CONNECT is the quarterly newsletter for FEICA Members.

next issue will be The published in January 2019.

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



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





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