ISSUE 41 AUGUST 2020

CONNECT

FEICA NEWS & VIEWS

The European voice of the adhesive and sealant industry

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DR ELISA ARIKAN WINS THE FEICA/EURADH ADHESION INNOVATION AWARD 2020

'FASCINATED BY THE PHENOMENON OF ADHESION', DR ARIKAN WINS THE SECOND EDITION OF THE AWARD (AIA 2020)

In Issue 40 of CONNECT, we listed all ten first-class entries for AIA 2020, exhibiting the diverse range of innovative submissions.

The EURADH judges picked Elisa Arikan as this year's winner. With her submission titled 'Structural adhesive bonding of polymers - Surface characteristics and adhesion mechanism', Dr Arikan examined the surface characteristics of polymer surfaces which exhibit good adhesive properties in terms of high strength and ageing stability in structural bonds. In particular, the importance of chemical surface functionalisation was examined.

Dr Arikan was a Research Associate and PhD student at the Universität der Bundeswehr München and is now Branch Manager of branch 310 'Surface Technology and Surface Analysis' at Bundeswehr Research Institute for Materials, Fuels & Lubricants (WIWeB). In a recent interview with CONNECT, she told us how her father taught her to love Physics and Chemistry and inspired her to work in aerospace engineering.

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'This discovery will be highly relevant for many applications and industries.'

'High-strength bonding creates connections designed to withstand high loads and forces in structural applications. In the best case scenario, adhesives can completely replace screws, rivets and bolts. Eliminating these connecting elements allows you to make, for example, lighter aircraft and consequently reduce fuel consumption and CO2 emissions.

The phenomenon of adhesives is not yet fully understood, and I believe they are very important for both ecological and economic reasons. My entry for the AIA 2020 shows that adhesion is mainly determined by surface roughness and not by surface chemistry. This discovery will be highly relevant for many applications and industries'.

We congratulate Dr Arikan, once again, for being this year's AIA winner!

She will be presenting her winning submission at the Adhesion Innovation Award Ceremonies and winner presentations, set to take place at FEICA 2021 in Warsaw, Poland and EURADH 2021, in Antibes, France.

More information is available via www.adhesionaward.org.

FEICA ORGANISED A FREE WEBINAR ON A FEICA RISK ASSESSMENT FOR CYCLIC ESTERS ON 4 JUNE 2020

Cyclic esters are an unavoidable by-product in polyester production. Polyesters are used in films, coatings and adhesives (polyurethane (PU) and heat seals).

FEICA members pooled their knowledge to ensure their risk assessments are well researched and that communication throughout the industry can be further aligned.

During the Webinar on 4 June, which was attanded by more than 100 registrants, Matthias Frischmann, food chemist and Head of Corporate Analytics at Henkel in Düsseldorf, introduced the topic of cyclic esters, explained the risk assessment that was carried out, and the responsibilities of each actor in the supply chain of PU and heat seal adhesives.

As a result, FEICA published a Summary Report which aims to provide the necessary information to help downstream users carry out their own risk assessments.

The Summary Report is available on the FEICA Extranet.

9th International Akademie Fresenius Conference

This event should have taken place in Koln in June, but has now been set to take place online on 18 and 19 November 2020.

The FEICA presentation, titled 'Risk assessment of cyclic esters in adhesives for food contact applications', will be given by Matthias Frischmann, Expert Migration Testing of the FEICA Paper&Packaging TWG. Please click on the link for the full programme.

The Akademie Fresenius offers a 10% reduction on the conference fee for FEICA members.

To register, see www.akademie-fresenius.com

FEICA® 2021 **Warsaw, Poland**

FEICA European Adhesive & Sealant Conference and EXPO 2021

15-17 September 2021
Warsaw Marriott Hotel

The adhesive and sealant industry's essential event

15, 16 & 17 September 2021

- **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

15, 16 & 17 September 2021

The Table Top Exhibition opens on Wednesday 15 September at 15:00 and runs until Friday 17 September at 14:00.

Year-on-year, FEICA attracts 600+ industry leaders to discuss market drivers and trends, innovation, sustainability and technological advancements.

www.feica-conferences.com

BOOK YOUR EXPO TABLE AT THE FEICA 2021 CONFERENCE NOW

Wednesday 15, Thursday 16 and Friday 17 September 2021

The FEICA EXPO provides an opportunity for all producers, distributors, suppliers and service providers linked to the adhesive and sealant industry to show their latest developments.

The Table Top Exhibition opens in the afternoon of Wednesday 15 September, with no parallel conference sessions scheduled. The EXPO runs until Friday 17 September at 14:00.

The Table Top Exhibition is included in the entrance fee of the Conference delegates.

Check who has booked a table already, and book yours via www.feica-conferences.com

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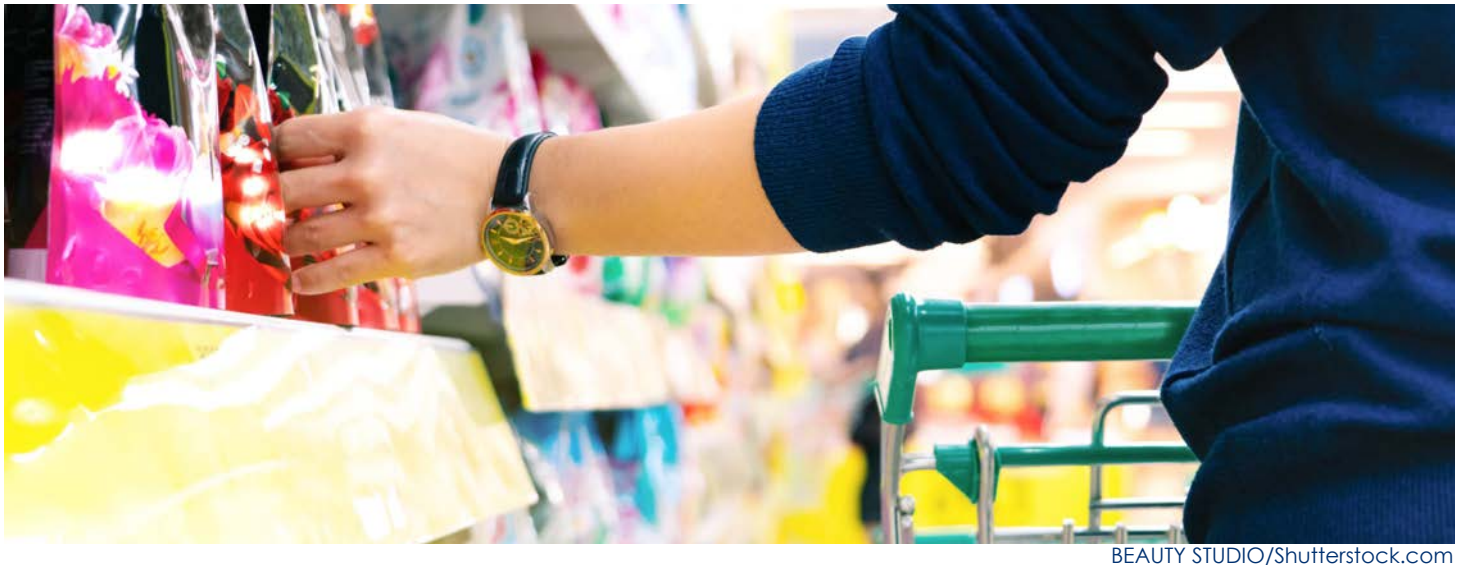

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FEICA PUBLISHES POSITION PAPER ON BIODEGRADABILITY AND COMPOSTABILITY OF PACKAGING ADHESIVES

One of the focus areas of the 2015 EU Action Plan for the Circular Economy is plastics. Following the growing awareness of the packaging supply chain, the types of plastic packaging marketed as 'biodegradable' or '(home) compostable' has increased significantly and adhesives producing companies receive more and more customer requests regarding the biodegradability and compostability of their products.

The adhesives industry is committed to positively contributing to the transition towards a circular economy and is making considerable efforts to work with its supply chain to better understand and mitigate the possible impact of adhesives on recycling of plastics packaging.

You can read the full paper on the FEICA public website.

FEICA RECOMMENDATION ON PAAs IN POLYURETHANE ADHESIVES FOR FOOD CONTACT APPLICATIONS

For many decades, reactive polyurethane adhesives have been used globally to manufacture flexible packaging in a safe and cost-effective way. Applying good manufacturing practice is key to achieving compliance with the demanding migration limits defined by food packaging regulations and preventing contamination of food through the migration of adhesive components which are not fully cured.Special attention has to be paid to laminates containing aromatic diisocyanate monomers which are not fully cured in the PU adhesive layer.

If laminates with insufficient cure time come into contact with food too early, migration of such aromatic diisocyanate monomers through the film separating the adhesive from the food can occur and primary aromatic amines (PAA) will be formed. Therefore, the adhesive user has to be made aware how to test for compliance with the limits for PAA as part of good manufacturing practice.

The FEICA recommendation to adhesive suppliers and users on Assessment of PAAs in polyurethane adhesives intended to be used in food packaging is available is available on the FEICA public website.

FEICA MODEL ENVIRONMENTAL PRODUCT DECLARATIONS (EPDS) SURVEY

The adhesive and sealant industry is faced with growing demands for information about its products to prove they meet the requirements of sustainable construction projects.

The Environmental Product Declarations (EPDs) represent one way to demonstrate the environmental credentials of a product, and the FEICA Model EPDs cover adhesives and sealants for the construction sector.

The FEICA Model EPDs, which are only available to FEICA members and members of FEICA NAMs, save cost & time for companies.

The range of products with EPDs will provide architects and green procurement bodies with more options of adhesive and sealant products, and also facilitate access to the market for SMEs.

The FEICA Model EPDs were launched a few years ago with the aim to:

- avoid duplication of work and improve efficiency by enabling companies to refer to the Model EPDs, eliminating the need for them to produce their own EPDs.
- save money; it is estimated that the costs to create a single EPD can amount to somewhere between 5,000 – 30,000 euros for companies.
- influence a wider discussion on the harmonisation of EPDs within the EU.

We received a great number of requests for FEICA Model EPDs, and have therefore launched a survey to evaluate the feedback from users. Results will only be communicated in aggregated format and the identity as well as the name of the company of all respondents will be kept anonymous.

If you have already used one or more of the FEICA Model EPDs, then please take the survey here:

https://www.feica.eu/our-priorities/edps

A SAFE FUTURE FOR POLYURETHANE (PU) PRODUCTS

A new regulation has been adopted for monomeric diisocyanates

On 4 August 2020, a new restriction on diisocyanates was published in the Official Journal of the European Union. It targets respiratory and dermal sensitisation potentially caused by diisocyanates and requires training prior to use.

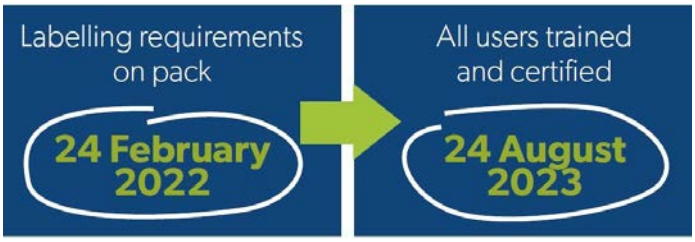
What does the restriction mean, how is the training developing and what is the timeline for implementation?

All professional and industrial users of products with a total monomeric diisocyanate concentration of > 0.1% will need to be trained and certified by 24 August 2023 in how to handle products containing diisocyanates safely.

In addition, the legal requirements should appear on the packaging as of 24 February 2022.

The FEICA Technical Working Group PU Restriction created an updated leaflet explaining what the restriction means exactly, how the required training is developing and what the implementation of the timeline is exactly.

It is available from the FEICA Extranet.



FEICA'S INPUT TO THE EUROPEAN COMMISSION PLAN TO INITIATE A RENOVATION WAVE

FEICA has published a Position Paper to highlight the key role our industry plays in delivering materials, products and technologies which ensure important aspects of circularity and sustainable development in the construction value chain.

The 'European Green Deal', which aims to shape the EU economy for a sustainable future, was launched in December 2019 and gives due consideration to climate, green energy and industry-supported circularity. One particular focus of the European Green Deal is on the building sector and the planned Renovation Wave.

The European Renovation Wave initiative is a key element to achieve the Green Deal goals and will be essential in overcoming the economic crisis resulting from COVID-19. However, this can only be achieved through a strong and well-functioning single market for construction products. In the construction sector value chain, our industry is playing a key role in delivering materials, products and technologies which ensure important aspects of circularity and sustainable development.

The adhesives and sealants industry is committed to continuous investments in science, research and innovation. This creates solutions that boost the energy performance of buildings, assist the efforts of the Renovation Wave across Europe and improve comfort, sanitary and living conditions to address the twin challenge of energy efficiency and affordability as mentioned by the European Commission. FEICA's sustainability vision states: "The adhesive and sealant industry is committed to enabling a growing population to live a better life and to use the planet's resources responsibly and efficiently".

The Position Paper is available on the FEICA public website.

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FEICA & CURRENTA NEW ANALYTICAL METHOD FOR THE DETERMINATION OF LOW CONCENTRATIONS OF MONOMERIC DIISOCYANATES

FEICA received an invitation from ECHA to give input regarding any new analytical methods for the enforcement of the REACH Annex XVII restrictions. FEICA and CURRENTA developed, a couple of months ago, an analytical method for the determination of low concentrations of monomeric diisocyanates. This method has been now shared with ECHA with the endorsement of FEICA and all of the FEICA National Associations.

This method is the most advanced and reliable available to date and it should therefore be the preferred method for the measurement of free monomeric isocyanate in adhesives, sealants and one-component foams.

FEICA PUBLISHES COMMENTS ON THE WOOD/PFA REPORT REGARDING POLYMERS REQUIRING REGISTRATION

Adhesives and sealants are an essential component of innovative products, enabling many sustainable solutions. FEICA supports the efforts of the European Commission to develop a comprehensive regulatory framework for the registration of polymers under the REACH Regulation that will help to protect human health and the environment, without losing the competitiveness and innovativeness of the European industry.

Registration of polymers should be foreseen only when a risk to human health and the environment has been proven. FEICA therefore suggests the development of risk-based mechanisms to assess exposure of both human beings and the environment.

Criteria to define polymers requiring registration should be clear, scientifically sound and globally harmonised. Exemptions and reduced registration requirements, in applicable cases, should be considered by the legislator.

Please see a paper summarising FEICA's comments on the Wood/PFA report regarding Polymers requiring registration on the FEICA public website.

REVIEW OF THE CPR

Much of the implementation of the Construction Products Regulation (CPR) is currently through CEN standardisation and the resulting harmonised product standards. Today there are around 450 harmonised CEN product standards. The benefits of these standards are substantial. Instead of 27 different test methods for one essential characteristic, one test suffices. This avoids unnecessary costs and increases the pan-European product range. The standards represent a "common European language" to which manufacturers, users and national regulators refer. They are the basis for the internal market for construction products.

Existing harmonised standards must be regularly revised, and new harmonised standards must be created to fill in remaining gaps and ensure adaptation to technical and regulatory progress.

However, this harmonised standardisation process for construction products is currently at a standstill. The situation is threatening the internal market and if it is not resolved in a timely manner it could entail major financial losses in the supply chains of the construction sector. Therefore, and whilst awaiting the results from a possible review of the CPR, it is FEICA's view that the European Commission has to ensure the continuous working of the standardisation process to safeguard the smooth functioning of the European single market.

The consultation on the future options for the review of the CPR will close on 31 August and the link to the questionnaire can be found on the website of the European Commission.

FEICA's position on the Construction Products Regulation (EU) No. 305/2011 will be available soon, through the usual channels.

ASEFCA ELECTS NEW PRESIDENT

In June 2020, Pablo García, CEO of the Valencian company Unecol Adhesives Ideas, S.L , was appointed as the new president of ASEFCA (the Spanish Association of Adhesives Manufacturers).

Please join us in congratulating Pablo in his presidency and we wish all the best to the entire Spanish sector of adhesives and sealants.

ECHA: REGULATION DRIVES GREENER TECHNOLOGIES

According to the European Chemicals Agency (ECHA), replacing certain chemicals with safer alternatives and greener technologies is strongly driven by regulation, with companies reporting that restrictions and authorisation are their main drivers for substitution.

ECHA reports that companies are also motivated by customer demand and their own sustainability policies, with ECHA's substitution strategy boosting substitution activities.

See the full story on the ECHA website.


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AIA 2020: MEET SOME OF THE OTHER ENTRANTS


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CONNECT INTERVIEWED A SELECTION OF ENTRANTS FOR THE 2020 ADHESION INNOVATION AWARD TO LEARN A BIT MORE ABOUT THEM.

In particular, we wanted to find out:

- Why they chose their field of study.
- How they believe adhesion can become more innovative.
- The importance of adhesives and sealants to the circular economy.
- What inspired the projects they submitted for the Award.

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Dr Andrea Spaggiari

Dr Andrea Spaggiari examined 'A design-oriented multiaxial stress-based criterion for the strength assessment of adhesive layers'

Dr Spaggiari is a Researcher in Mechanical Design at the University of Modena and Reggio Emilia, Italy. He gained his PhD in High Mechanics and Automotive Design and Technology - Modelling and Mechanical Design Methods at the University of Modena and Reggio Emilia, Italy. He won second place in AIA 2020.

'When I started my PhD, I wasn't very familiar with the use of adhesives in industrial joining. I found it fascinating that you could use a material commonly referred to as "glue" to join dissimilar materials in engineering projects. I was interested in composites such as G/CFRP and decided that research into their bonding with adhesives would be an interesting topic. So, I did my PhD on structural adhesives, focusing on the mechanical side of things rather than the chemical aspects.

With regard to innovation, I had some experience in industry with companies wanting to use adhesives in the automotive and biomedical devices industries. I found that the main problem was a lack of trust of people traditionally used to welding and bolting as joining techniques. There were two main reasons. First, they were not used to designing projects to accommodate adhesives and weren't sure how to use them and, second, and this links directly to the subject of my project, there are no simple criteria to assess the suitability of an adhesive bond as there are for welding and bolting, so mechanical engineers are not sure whether the structures they are designing will be strong enough.

I believe that there is more scope to be innovative and grow the use of adhesives in industrial projects. This will support the circular economy because it will allow us to design for efficient assembly and disassembly. It can be quite easy to disassemble adhesively bonded structures, in contrast to welded structures. Also, it enables us to use lightweight composite materials as opposed to heavier metal components. However, we need engineers to become more confident in the durability of adhesive bonds. We need to explain how the right adhesives can withstand moisture, heat and chemicals.

These types of issues, which I encountered during my work in industry, inspired me to undertake this project. To quantify the level of stress in an adhesively bonded structure needed an engineer with expertise in fracture mechanics. I took a pragmatic approach and tried to answer their questions.'

'I believe that there is more scope to be innovative and grow the use of adhesives in industrial projects.'

Photos: Ant Clausen/Shutterstock.com

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Raul Domingos Ferreira Moreira MSc

ADHESIVES CAN PLAY AN IMPORTANT ROLE IN THE CIRCULAR ECONOMY BY REPAIRING AND EXTENDING THE LIFETIME OF STRUCTURES, MEANING THAT WE CAN AVOID PREMATURELY REPLACING THEM. IN PARTICULAR, COMPOSITE COMPONENTS ARE EXPENSIVE AND ARE NOT EASY TO RECYCLE, ESPECIALLY THE EPOXY MATRIX, SO USING ADHESIVES TO REPAIR THEM CAN ULTIMATELY SAVE MONEY AND IS MUCH BETTER FOR THE ENVIRONMENT.

Raul Domingos Ferreira Moreira MSc submitted a project on 'High-cycle fatigue analysis of adhesively bonded composite scarf repairs'.

Moreira is currently a PhD student in the Faculty of Mechanical Engineering at the University of Porto, Porto, Portugal. He has an MSc in Mechanical Engineering, specialisation Mechanical Construction, from ISEP – Instituto Superior de Engenharia do Porto, Porto, Portugal.

'I've always enjoyed looking at objects, discovering how they work, and dismantling and reassembling them, which led me quite naturally into the field of mechanical engineering. I have now specialised in the field of fracture mechanics, which I first started to research during my MSc. This provides useful insights into bonds and how they fail.

For more than 10 years, adhesives and sealants have grown in popularity in the transportation sector. Lots of improvements have been achieved and more studies have been undertaken in the areas of fatigue analysis and hydrothermal analysis. For example, in my work I develop mathematical models that predict fatigue life.

However, many engineers still lack a bit of confidence in adhesives for use in long-term structures. This is primarily because they cannot do an inspection of an adhesive bond without destroying it. Therefore, they are very cautious when using adhesives on structural components. My goal is to accurately predict the fatigue life of adhesive bonds. I looked at mixed mode I and II fatigue, which combines mode I (peel) and mode II (shear) to give a more accurate result. The ultimate objective is to learn how we can design a joint to be more efficient. I want to help provide engineers with confidence and this is what inspired my project.'

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'I was inspired to enter the Adhesion Innovation Award because I believe my work can make a significant contribution to the knowledge around the application of adhesives technology in the construction industry.'

- Dr João Sousa

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Dr João Sousa

Dr João Sousa submitted a paper on the "Durability of adhesively bonded connections between GFRP adherends"

Dr João Sousa is a Site Engineer and Project Manager at Construtora Udra, Grupo San Jose, Portugal. He has a PhD in Civil Engineering from the Instituto Superior Técnico (IST), University of Lisbon.

'I finished my Masters and was encouraged by my supervisor to do research and a PhD. I had a good partnership with my supervisor and enjoyed doing the PhD. After this, I wanted to take a break from research and gain a better understanding of the construction industry. I'm particularly interested in composites and their applications in civil engineering, and this naturally involves adhesive bonding. I believe there are great opportunities for innovative materials.

In my view, research must be in step with industry and my objective is to make sure that my research meets the needs of the construction industry. So, I'm currently working in the construction industry in the private sector. I'm looking at which materials are currently being employed and identifying opportunities for newer materials, so that I can understand the market from the inside before I return to continue research based on this practical focus.

To become more innovative, we need to speak to our colleagues in industry to learn about their needs and the problems they would like to have solutions for. Then we can work in a focused partnership to create innovative products and resolve their problems.

Also, the sustainability of the materials we apply is very important. There is a lack of studies in the construction industry on the sustainability of these new materials and adhesives. The construction industry uses a lot of materials that are not very sustainable. It should focus on sustainable materials, with more cradle-to-cradle lifecycle studies.

I was inspired to enter the Adhesion Innovation Award because I believe my work can make a significant contribution to the knowledge around the application of adhesives technology in the construction industry. It is already contributing to the European codes currently being drafted that regulate design guidelines on composite materials and connecting technologies in civil engineering projects. My work is a part of this project and focuses on the durability of adhesive bonds. I believe these new materials and adhesives can be better than traditional methods, however, they are not yet cost-efficient. We need to optimise their use and spread their uptake to be able to fully exploit their potential. Currently, the initial cost can be seen as a barrier; we need to explain that when you consider maintenance and service costs, these new materials will often work out less expensive.'

Artur Kochanke MSc

Artur Kochanke MSc's project explored 'Adhesion mechanisms of addition curing silicones on aluminium oxides'

Artur Kochanke MSc is a PhD student at the University of Bremen in Germany (in cooperation with Robert Bosch GmbH, Corporate Research, Renningen). He is studying: Adhesion mechanisms of addition curing silicones on aluminium oxide surfaces.

'It is a coincidence that I got involved with adhesives. I was looking for a topic to study for my PhD and decided to investigate adhesion technology as an option. The multidisciplinary approach and practical nature of the subject appealed to me, so I embarked on my current study programme.

ADHESION SCIENCE IS ALREADY QUITE INNOVATIVE BECAUSE ADHESIVES TECHNOLOGY ENABLES OPPORTUNITIES THAT OTHER BONDING PROCESSES ARE NOT ABLE TO ACHIEVE.

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'Adhesion science is already quite innovative because adhesives technology enables a lot of opportunities that other bonding processes are not able to achieve. However, a crucial point is the practicability of adhesives technology. If adhesives technology were to be seen more and more as an excellent tool for bonding in engineering projects, it would lead to increased acceptance and then increased innovation. Knowledge of adhesion science in society in general and also of developers is limited, possibly because of the complexity of the subject, and I have the feeling that, because of this, other technologies are preferred. For example, let's just take screws. They are simple, you can do all the calculations, design them and have a stable process; this is no problem. For adhesives, you need to have knowledge of surface treatments, application, curing, the lifetime and so on. This is quite complex and works to limit acceptance of adhesives technology. If these factors were more widely understood, acceptance would be increased.

I do believe adhesion science can contribute strongly to the circular economy. It can be beneficial for the processes and design because you can save resources. The trends within adhesives technology are also good because they are favouring environmentally-responsible surface pre-treatments and processes, as well as the development of adhesives from sustainable resources. Debonding can also have a big part to play. However, crucial success factors are acceptance and delivering on performance and reliability. It's nice to have sustainable adhesives, but they have to perform! This is particularly true in the automotive industry, where safety is at stake!

I was inspired to undertake my project to add to the knowledge of adhesives in practice. It is clear from the literature that adhesion mechanisms themselves have been well studied, However, there are still some missing pieces to give a full understanding of adhesion. For example, aspects such as surfaces, surface contamination and ageing. My objective was to contribute to the knowledge of adhesion mechanisms to help establish facts around how to achieve a reliable adhesives bond. This paper is one part of a study and looked at interactions on a molecular scale. Later publications looked at the macroscopic scale to draw it all together.'

ASC ANNOUNCES 10TH WORLD ADHESIVE AND SEALANT CONFERENCE & EXPO

WAC 2021 has been scheduled to take place in Chicago from 19 to 21 April

WAC 2021 will feature keynotes from the industry's leading companies and a full two-day programme with more than 90 speakers presenting on sustainability, adhesives and raw materials development, key feedstocks, global regulatory developments, market disruptors, end user business needs and mergers and acquisitions, among others. Each region—Asia, Europe, and North America—will provide their unique viewpoint, providing attendees with a valuable opportunity to learn more about the latest developments taking place across the globe. The WAC EXPO will be held on 20 April 2021 and will feature more than 130 exhibitors.

This global conference is held once every four years and rotates between Asia, Europe, and North America. FEICA and ARAC (Asia Regional Adhesive Council) are co-hosting the event. This year's theme will be 'securing our future'.

For more information and the full Press Release about WAC 2021, visit www.WAC2021.net.

A NEW COLLEAGUE AT FEICA

©Paula Diaz

PAULA DIAZ JOINS FEICA

FEICA welcomed Paula Diaz this month, who joined us as a Regulatory Affairs Manager replacing Divina Gómez. Paula joins us from ReachCentrum, where she was a Project Manager, and Enhesa, where she worked as a Regulatory Expert and Project Manager.

Paula will initially focus on REACH related topics, including polymers requiring registration and Exposure Scenarios. Those of you taking part in our webinars have already had the chance to meet Paula. I am sure that all of you will join us in welcoming Paula to the FEICA team and wishing her all the very best in her new position.

JANA COHRS APPOINTED EXECUTIVE DIRECTOR REGULATORY AFFAIRS AT FEICA

Jana Cohrs–Rahmoun was promoted to Executive Director Regulatory Affairs at FEICA on 1 July 2020. The decision was made by the FEICA Executive Board in view of the growing impact of the EU Green Deal on FEICA's regulatory affairs activities. Regulatory Affairs is an area of utmost importance to our membership and Jana will retain most of her current responsibilities. In addition, she will now oversee and coordinate the Regulatory Affairs department at FEICA with all Regulatory Staff reporting to her.

Jana has been with FEICA for more than 13 years, covering environmental legislation such as REACH and CLP in her earlier years at FEICA and more recently areas such as construction and paper and packaging. Since last year she also manages a group dedicated to the sustainability of packaging in a circular economy. She has been taking a leading role in developing the Association's strategy on regulatory affairs and its alignment with FEICA's sustainability vision. I am sure that you will all join us in congratulating Jana and also wishing her all the very best in her new position.

FEICA CONNECT is the quarterly newsletter of the Association of the European Adhesive and Sealants industry.

Please note that FEICA CONNECT is published four times a year.

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