



The European Institute for the PCB Community

## **EIPC SPEeDNEWS**

*The Weekly On-Line Newsletter from the European Institute of Printed Circuits.  
Issue 22 - October 2019*

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### **NEWS FROM THE EIPC.**

#### **WECC Global PCB Production Report for 2018**

Dear Members,

The final WECC Global PCB Production Report for 2018 is now available, and is free to our members.

If you would like a copy, please contact Kirsten Smit-Westenberg at the EIPC office.

Thank you.

[kwestenberg@eipc.org](mailto:kwestenberg@eipc.org)



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## NEWS FROM GERMANY

### **SCHWEIZER signs Sales Representative Agreement with Neutronics for USA and Canada**

Schweizer Electronic AG and Neutronics Solutions Inc. are announcing the commencement of a sales representative agreement for the USA and Canada. Under the agreement, Neutronics is entitled to promote SCHWEIZER's high-tech printed circuit boards and embedding solutions in the territory.

SCHWEIZER, a player with an unrivalled technological portfolio and the highest quality standards, is now entering the North-American electronics market. "We expect our high-power PCB solutions, including the embedded die technologies and PCBs for sensors like bond-wired or radar PCBs, to generate a strong demand in the North-American market. Neutronics is an ideal addition to our global sales network. Neutronics will support SCHWEIZER to further expand our customer base and supports us in our goal to reach annual revenues of 400 million Euros by 2025. SCHWEIZER's unique innovations, combined with Neutronics' industry knowledge and deep regional roots in automotive and industrial electronics, will be an asset for our customers." said Christian Roessle, Vice President Sales & Marketing from Schweizer Electronic.

SCHWEIZER is further expecting to pursue a major portion of the large North-American aerospace market after it successfully attained the NADCAP accreditation in May 2019. Similar to automotive and industrial, the aerospace market requires a reduction in CO2 emissions, miniaturization and an increased usage of sensors. Dave Stubbs, President of Neutronics Solutions further commented: "SCHWEIZER brings an expertise and level of quality that is essential to the global automotive and power industries. Their technologies fill a need for our customers, helping them meet the design integration and increased power requirements for today's innovations. We are proud to announce this partnership."

The Germany-based PCB manufacturer is currently building a highly automated factory in Jintan (Jiangsu Province), PR China, for high-tech PCBs and Embedded PCB technologies like p<sup>2</sup> Pack<sup>®</sup>. Mass production will launch in 2020. The significant capacity expansion will allow SCHWEIZER to serve more customers world-wide with its advanced solutions.

Please visit our website: [www.morethanPCBs.com](http://www.morethanPCBs.com)



Fachverband für Design,  
Leiterplatten- & Elektronikfertigung

### **PAUL Award: Young talent competition for young electronics fans**

The application deadline for the PAUL Award 2020 runs until 30.11.19. We have received the first applications from participants and are looking forward to more. The competition is aimed at young people who want to deal creatively with a small technical task. The winners will win a total of 6,000 Euros.

The PAUL 2020 - eTech Talents Award is a young talent competition for young people aged between 15 and 25 from Germany, Austria and Switzerland. Technology-loving young people have the opportunity to demonstrate their technical understanding in the field of smart home or smart clothes. Every technology enthusiast may participate in teamwork or as an individual. A jury will determine the winners, who will receive an award ceremony on 19 June 2020. The following evaluation criteria are used: creativity, technical understanding, materials used, team size and design. The winner receives 3,000 euros, the second best 2,000 euros and the third place 1,000 euros. So far, four companies are sponsoring the project: Viscom, Technosert, KSG and Horstmann Germany. Interested companies can also apply as a jury member to the FED. All details about the competition and the application can be found on the website at [www.paul-award.de](http://www.paul-award.de).

### **FED at Productronica 2019**

The FED is also represented at the Productronica in Munich (12-15 November 2019), the world's leading trade fair for electronics development and production. The FED stand can be found in Hall B3, Booth 529. Feel free to contact us on site. You will receive up-to-date information about the association's work, current topics such as the PAUL Award or information on the FED seminar program. You are also welcome to arrange a consultation with us in advance. If you wish to make an appointment, please contact us in advance at [info@fed.de](mailto:info@fed.de) or by phone at +49 30 340 6030-50. We look forward to seeing you in Munich.

### **Regional Group Event Berlin: Report now online**

On August 13, 2019, the company Taube Electronic welcomed 30 participants to the third event of the Regional Group Berlin on the topic "Resource-saving soldering press | Professional cleaning in electronics production".

An essential factor for the quality of electronic products is the cleaning during the manufacturing process. Michael Kasper, Kasper Nonwovens, reported on this in his presentation. He presented the factors influencing the production of nonwovens and explained the new challenges in the cleaning process for use in electronics in the smart factory.

In the second lecture Dr. Andreas Reinhardt, SEHO, on resource-saving and energy-efficient soldering processes in wave soldering, selective soldering and reflow soldering. Selective fluxing can significantly reduce flux deposition, reduce build-up on the assembly, and reduce the use of a solder mask. At the same time, the cycle times can be shortened in the process sequence and thus the waiting times can be reduced. The full event report can be downloaded from the FED website.



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### NEWS FROM THE EU



## EUROPEAN FIRE SAFETY ALLIANCE

**31st October 2019 - For its very first time, the European Fire Safety Week will gather, from the 18th to 21th November 2019, a myriad of activities related to fire safety. Under the umbrella of the European Fire Safety Alliance, a large range of stakeholders are organising an international congress, education seminars, conferences and meetings with Members of the European Parliament. The European Fire Safety Week will start with the Award Ceremony and the launch of an Exhibition in the European Parliament.**

Fire Safety touches all European citizens. 5,000 people die because of fire each year. Many more persons are injured. The European Fire Safety Alliance initiates the European Fire Safety Week to raise awareness among policy-makers and stakeholders on this issue.

*"We believe that most of the European fire victims in the home are preventable! Many individuals, industry and organisations from the professional fire sector will share creative, pragmatic and successful initiatives to reduce fire risk during this first European Fire Safety Week. This first step to combine knowledge and best practices will lead to a European approach that will save lives." - Elie van Strien, Chair of the European Fire Safety Alliance.*

The European Fire Safety Week will start with the 12th International Congress Fire Safety & Science in Arnhem, followed by a large meeting of European Fire Officers associations in Copenhagen. From the 18th to the 21st, 4 days of high-level conferences will take place in Brussels. Days are shaped by 4 main themes: Community Fire Safety, Building Fire Safety, Electrical Safety & Energy Transition, Furniture Fire Safety & Smoke Spread in residential buildings. In parallel in Antwerp, the International Safety & Education Seminar will gather to exchange experiences concerning fire safety awareness. Themes like research, focus on target audiences, communication, innovation and behavioural change including overseas experiences will be presented and discussed.

The outcome of the European Fire Safety week will be consolidated into a report that will pave the way for the next two years. This major piece of work will be presented to the European Parliament in March 2020 to secure further progress in Fire Safety. The European

Fire Safety Week and the report to be issued in March 2020 will contribute to the Fire Information Exchange Platform, initiated by the European Commission in 2017.

#### Partners of the Week:

Federation of the European Union Fire Officers Associations (FEU) - Dutch Fire Service Academy (IFV) - Dutch Burns Foundation - European Fire Safety Alliance - Organisation for Burns Scar Aftercare and Research (OSCARE) - Antwerp Fire Service – - Flame Retardants Europe (FRE) - Modern Building Alliance (MBA) - Europacable - European Aluminium - Council of Gas Detection and Environmental Protection (COgDEM) - European Copper Institute - European Fire Sprinkler Network - European Association of Electrical Contractors (AIE) - International Federation for the Safety of Electricity Users (Fisuel) - European Committee of Electrical Installation Equipment Manufacturers (CECAPI).

Additional information: [www.firesafetyweek.eu](http://www.firesafetyweek.eu)

#### About EuroFSA:

The European Fire Safety Alliance (EuroFSA) shares national knowledge and innovations on international level. We form an independent alliance of fire professionals and preventions specialists that does not support any individual fire safety product, technology or commercial organization. EuroFSA is an authority on fire risk, based on a strong statistical evidence. We do research, support and encourage research, studies and reports that highlight the dangers from fire in the home and support their widespread availability. We focus on sharing knowledge and we deliver strong scientific relevant consistent messages on home fire safety.

[www.europeanfiresafetyalliance.org](http://www.europeanfiresafetyalliance.org)





# EUROPEAN FIRE SAFETY WEEK

18 - 21 NOVEMBER 2019

Join us to make a plan to prevent fire victims!  
A plan based on best practices, research and  
your recommendations.



[www.firesafetyweek.eu](http://www.firesafetyweek.eu)



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## NEWS FROM THE USA

### **New Book Helps Transform Industry 4.0 Concepts into Reality**

Bring your manufacturing practices into the digital age with *The Printed Circuit Assembler's Guide to... Advanced Manufacturing in the Digital Age. The Printed Circuit Assembler's Guide to...* is an ongoing series specifically dedicated to educating those in the circuit board assembly sector, and serves as a valuable resource for electronics industry professionals seeking the most relevant information available.

Author Oren Manor, from Mentor, A Siemens Business, explores the most important steps to consider when building a digital manufacturing company that transforms Industry 4.0 concepts into reality. Industry 4.0 has the power to drive quantifiable change in the manufacturing industry and transform how companies work, collaborate, and serve their customers; it can also create a positive, cultural shift across an organization.

This is essential reading for anyone looking for a holistic, systematic approach to leverage new and emerging technologies. The benefits are clear: fewer machine failures, reduced scrap and downtime issues, and improved throughput and productivity.

Farid Anani, VP of operations at Computrol Inc., said, "This book is a must-read for those embarking on their IIoT journey; it provides a very accurate description of preparation requirements and risks to consider and avoid, not just technologically, but also organizationally."

Download your free copy at [www.I-007ebooks.com/amda](http://www.I-007ebooks.com/amda).

For more information, contact:

Kiersten Rohde

[pr@brpublishing.com](mailto:pr@brpublishing.com)

## SC electronic service GmbH Selects Aegis Software as Trusted Quality Partner

As SC electronic service rapidly expands their business, their customer-driven approach, with core values of quality and openness, are perfectly supported and enhanced by Aegis Software

Aegis Software, a global provider of Manufacturing Execution Software (MES), today announces that SC electronic service GmbH has selected Aegis as their trusted software provider, providing the full suite of IIoT-driven MES software.

The advantages for SC electronic service adopting the single IIoT-driven FactoryLogix platform, brings unprecedented value opportunity, combining execution management, Digital Manufacturing Engineering, Lean material management, advanced quality management and analytics, all contributing to provide complete, exact traceability of materials and processes. Automated data collected natively from key machines, is fueled by the IPC Connected Factory Exchange (CFX) standard, enabling the maximum consistency and detail of live production information, with the minimum cost of ownership, for which FactoryLogix® is specifically designed, providing seamless context of visibility and control across all factory operations.

“Being a focused EMS company with an excellent reputation for capability, quality and trust, it is essential for our business that mission-critical tools meet and even exceed our standards to support quality and traceability, so that we can confidently expand our business to meet increasing customer demand, based on their satisfaction of our service,” states Raphael Mailänder, Production Manager, SC electronic service, who continues, “Aegis software has provided us the unique opportunity to realize our goals, illustrating our increased value proposition to customers.”

Daniel Walls, European Managing Director, Aegis Software, stated, “SC electronic service is an inspiring example of the excellence of local manufacturing in Germany, and how it becomes increasingly successful with the introduction of Smart software technology that directly supports current and future business needs.”

Manufacturing critical security assemblies, with increasing incorporation of electronic sub-systems, customers of SC electronic service are assured of the highest possible quality, visibility, and cost-effective manufacturing performance, delivering unprecedented product reliability.

### About SC electronic service

SC electronic service is a company within the Hörmann group, operates as an independent factory in Herford and manufactures electronic assemblies in THT and SMD technology as a service provider. Since 2002, SC electronic service have been producing a wide range of products for our select business partners, assisting them from development through to optimization of their assemblies. Customer satisfaction is the greatest metric of our performance. Our corporate culture is based on strong customer-oriented cooperation, extending to all involved: personnel, suppliers and customers. A fair and trusting relationship enables us all to work together smoothly.

### About Aegis Software

Founded in 1997, Aegis Software uniquely delivers a comprehensive and flexible end-to-end manufacturing execution system (MES) platform giving manufacturers the speed, control,

and visibility they require. Aegis has international sales and support offices in Germany, UK, and China, and partners with more than 37 manufacturing equipment suppliers. Since its inception, Aegis has been helping more than 2,000 factories across the military, aerospace, electronics, medical, and automotive industries, drive rapid and continuous innovation with the highest quality while reducing operational costs. Learn more by visiting <https://www.aiscorp.com>. Speed, Control and Visibility for Manufacturing.

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### PRODUCTRONICA

EIPC will be present at Productronica on Stand No B3-529 in Hall B3.

*Along with some of their members, who will also be in attendance throughout the show.*

#### **Technic Electric**

Technic has served the PCB industry for an unprecedented 30 years for the supply, service and repair of PCB drill and routing machines, as well as equipment and parts supply for manufacturing and technologies industries worldwide.

#### **Osborn –**

Experts in mechanical surface treatment since 1887, and staffed with people experienced in surface treatment solutions and finishing tools. Osborn supply more than 10,000 standard products in more than 120 countries, and offer local support throughout the world.

#### **FED -**

The FED represents the interests of 700 members, including PCB designers and manufacturers, EMS companies, EDA companies, process and technology service providers, as well as manufacturing equipment, software and consumables suppliers in Germany, Switzerland and Austria.

#### **HDP User Group -**

HDP User Group is a non-profit trade organisation that offers memberships to companies involved in the supply chain of manufacturing products that utilise high-density electronic packages. The organisation works with other industry consortia, universities and government agencies to develop the industry awareness of its project results and to support its membership's goals.

#### **Kubatronik**

Manufacturers of flex and rigid flex PCBs in Swabia, this 40-year-old company has established a strong reputation for producing embedded HDI boards for the high-frequency high-speed sector, using special materials, with layer counts up to 30.

#### **-Gardien Group**

Over 30 years ago Gardien began life as Mania, the company that pioneered some of the first electrical grid testers used by PCB fabricators to check the quality of their boards. Today they are a company that literally tests millions of PCB boards a month on behalf of their customers supplying the automotive, defence, telecommunications, aerospace, medical, computer and industrial markets worldwide.



**Seica SpA participation at Productronica, Munich, November 12 – 15, 2019, Hall B3, Booth B3-570, New Munich Trade Fair**

*Strambino, Italy, October 2019. Standard One of a Kind: innovation is standard for Seica Spa, and visitors at Productronica 2019 will have the opportunity to see the latest unique and unusual solutions on full display at Productronica 2019.*

Process automation is a common theme across all industries, and in the world of printed circuit boards there are increasingly specific themes, related to the expanding presence of electronics in a myriad of products. These include flex circuits, embedded components, ceramics and other alternative materials. Seica's Rapid line of flying probe test systems for pcbs addresses all of these requirements with innovative solutions on display at Booth B3-570 in Hall B3.

The Rapid H8 Next > series flying prober has 8 completely independent test probes distributed on both sides of the PCB under test. The availability of 4 probes per side and, even more importantly, of all the measurement hardware and software intrinsic to the Seica platform, means that this system can perform all types of testing: standard electrical tests, Kelvin measurements, tests of embedded active and passive components in a simple and completely integrated way. At Productronica, Seica will be highlighting the high productivity of this solution, which will include a Seica Automation automatic loading/unloading system. Flexible management software enables the user to easily set up the system to work in a completely automated mode, loading and testing even different part numbers automatically. The setup procedure is guided by means of a simple, straightforward dialog. Once completed, the system is ready to automatically adjust rail positions and run different programs for each part number, allowing continuous, automated testing day or night. The loader also includes an integrated clamping system to minimise board warpage during

testing, by means of mobile side clamps which are moved automatically as the rail positions are adjusted.

Also on display will be the Rapid H4 Flex flying probe test solution: deployed in Seica's Virtual Factory, visitors will be able to have a hands-experience with this solution in a realistic manufacturing environment. Nominated for the Productronica Innovation Award 2019, the Rapid H4 Flex addresses the needs of flexible PCB manufacturers that wish to test their circuits in a continuous reel format. The test system features 4 completely independent mobile test probes, and the ample test area is equipped with a vacuum table to hold in place the flexible circuit under test. In addition to the full range of standard test performances, Seica's proprietary, high-resolution capacitive one-touch-per-net technique is able to measure the capacitance of each track/pad to detect short and open circuits, and the included standard, four-wire Kelvin techniques. This fully integrated solution includes the specifically designed, automated handling modules which enable a completely reel-to-reel process.

All of the solutions on display include Seica's VIVA NEXT software platform, which is able to provide intelligent integration with all aspects of the customer's manufacturing processes - data collection, traceability, interaction with MES, repair operations – and all of the Next> series systems have Canavisia's Industrial Monitoring solution on board, for remote monitoring of current and voltage consumption, mains supply, temperature, light indicators and other parameters useful to indicate correct operation, provide information for predictive maintenance and, in general, to render the systems compatible with today's Industry 4.0 standards. [www.seica.com](http://www.seica.com)

### ***ADEON TO TAKE ON SOLDERMASK TECHNOLOGY***

Meyer Burger and ADEON Technologies have entered an agreement in which Adeon will represent Meyer Burger's Inkjet Soldermask technology "PiXDRO JETx" systems into the European PCB manufacturing industry. Meyer Burger has successfully developed the technology over the last 7 years, starting in 2012.

The PiXDRO JETx fits perfectly to the portfolio of Adeon and the two companies have already

shared a lot of information and knowledge. Meyer Burger has already 2 successful installations in the European PCB market and with Productronica coming up from November 12-15 - 2019, both companies are excited about the opportunity to expand the Meyer Burger footprint immediately.

In the start-up phase of the relationship Adeon will take care of the commercial entry of the PiXDRO JETx system, which is to be expanded into a co-operation with the service and support in the future as well.

Adeon will be exhibiting a PiXDRO JETx system at its booth during Productronica. Meyer Burger specialists will be happy to show the technology and welcomes everyone to visit Adeon & Meyer Burger in Hall B3 #425.

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### INTERNATIONAL DIARY

**EIPC @ Productronica 2019 Stand B3-529**

12-15 November  
Messe Munchen, Munchen, DE

**HKPCA Exhibition**

2-4 December  
Shenzhen, CN

## 2020

**EIPC Winter Conference Rotterdam, NL**

**Visit Terminals ECT Port Rotterdam**

13 & 14 February  
Rotterdam, NL

**SMT Hybrid Packaging**

5-7 May 2020  
Nurnberg, DE

**EIPC Summer Conference Örebro, SE**

**Visit Ericsson 5G Test Centre**

16 & 17 June  
Örebro, SE

**ECWC15, WECC World Electronics Circuits Council**

30 November-2 December  
Shenzhen, CN