TECHNICAL SEMINAR

4-6 MARCH 2020
CROWNE PLAZA BARCELONA FIRA CENTER
BARCELONA, SPAIN

‘TURN TECHNOLOGY INTO VALUE IN THE LABEL AND PACKAGING INDUSTRY’

PROGRAMME AND REGISTRATION
THE FINAT TECHNICAL SEMINAR
‘TURN TECHNOLOGY INTO VALUE IN THE LABEL AND PACKAGING INDUSTRY’

4-6 MARCH 2020
BARCELONA, SPAIN

THE FINAT TECHNICAL SEMINAR IS A BIENNIAL EVENT WHICH IS DESIGNED TO GIVE AN UPDATE ON THE LATEST STATUS WITH REGARDS TO LEGISLATION, MATERIALS SCIENCE, CONVERTING TECHNOLOGY AS WELL AS APPLICATION REQUIREMENTS AND IS TARGETED AT ALL LEVELS OF THE TECHNICAL COMMUNITY FROM R&D OR PRODUCTION TO TECHNICAL DIRECTORS & EXECUTIVES.

WELCOME TO THE 2020 EDITION OF THE TECHNICAL SEMINAR.

The one and a half day seminar - in English - is designed to help companies understand the added value of technology on their products and what techniques can be used to improve their organisational efficiency, customer service and profitability. Papers presented will show from a technical standpoint new features and requirements in printing, converting, and processing that keep the labelling industry moving forward and help to add value in the supply chain.
THURSDAY, 5 MARCH 2020

09.00 – 09.05  Opening of the Seminar and Short FINAT Introduction
Chris Ellison, OPM Group & FINAT President (UK)

09.05 – 09.15  Introduction of the Seminar
Alex Knott, Dow & Chairman FINAT Seminar Subcommittee (B)

09.15 – 10.30  Brand Owner Feedback & Presentations
Moderated by Alex Knott, Dow & Chairman FINAT Seminar Subcommittee (B)

The session will reflect the end-users’ perspective on a number of questions related to the self-adhesive label industry (e.g. perception of labels versus other decoration/identification methods, challenges in technology, expectations in terms of innovative applications and highest priorities.)

10.30 – 11.00  Coffee break & opportunity to visit tabletop
11.00  Start of parallel working sessions
12.30 – 14.00  Lunch & opportunity to visit tabletop
14.00 – 15.30  Continuation of parallel working sessions
15.30 – 16.00  Coffee break & opportunity to visit tabletop
16.00 – 17.30  Continuation of parallel working sessions
17.30  End of Day 1
19.30  Departure for dinner
20.00 – 22.30  Dinner at Can Travi Nou.

Can Travi Nou is an authentic catalan farmhouse famous for its charming spaces and food. With more than 30 years of experience the restaurant offers food lovers, a rustic and welcoming hideout, where they can enjoy delicious food, close to nature.
STREAM A: TECHNOLOGY & BUSINESS:
CHAIRMAN: FEDERICO D’ANNUNZIO

Moderator and presenter from Bobst.
Supporting lectures from Domino, Durst, Esho, Gallus, Grofotronic, Domino, HP, Phaseon & Prati.

SESSION A1: TECHNOLOGY

Digital, Flexo or Hybrid ? What to Choose in Your Situation? Technology Overview and Comparison

11.00 – 12.30 & 14.00 – 15.30

Digitalization is changing the future of the label industry. Innovative digital or digitalized printing and converting technologies are explained in detail, focusing on pros and cons and comparisons. The most knowledgeable industry experts confront on performances and opportunities. Main topics on display:

- Flexo: current & future challenges, new technologies
- Digital automation in analogue converting and flexo
- Digital: current & future challenges; New Technologies in Digital Inkjet inks (WB, LM); 50 possible suppliers, how to choose between?
- Hybrid
- New Digital and Analogue Embellishment solutions

STREAM B: REGULATORY AFFAIRS, SUSTAINABILITY & ADHESIVES:

SESSION B1: REGULATORY AFFAIRS AND SUSTAINABILITY
CHAIRMAN: JÉRÔME SALVERT

11.00 – 11.30 | Sustainable PSA Labels | Jan ’t Hart, Sr Director Innovation Sustainability and Compliance, Avery Dennison (NL)

11.30 – 11.50 | Risk Assessment of Pigments for Food Contact Applications | Ruth Bauer, Senior Expert Printing & Sensitive Applications BASF Colors & Effects (D)

Over the last decades the regulatory demand also for pigments has increased. Looking back to the 1970s it was good enough to talk about the color index. Already 20 years later the pigment formulation had to be checked, namely the intentionally added substances (IAS). Nowadays, the degree of detail has further increased. Detailed analysis of product impurities (NIAS – non intentionally added substances) is necessary to fulfill the requirements as pigment supplier. This requires dedicated resources combined with know-how and expertise in production technology and product toxicology.

Showcasing the changes in regulation on primary aromatic amines (PAA) this talk explains how a new test method for analysis of primary aromatic amines in organic pigments was developed. The results can be used to communicate to the value chain the adequate information to comply with migration limits. Furthermore, it will give an insight into the approach of a pigment supplier to create a portfolio for food contact applications.

11.50 – 12.10 | UVFoodSafe UV Ink Update | Jonathan Sexton, Marketing Manager Energy Curing and Narrow Web, Sun Chemical (F)

12.10 – 12.30 | Food Contact Regulations for Ink | Dr. Sarah-Lisa Theisen, Department Manager Product Safety & Regulations and Recipe Management Siegwerk Druckfarben AG & Co. KGaA (D)

Labels are not regulated in the European Union specifically, but when they are used on food packaging, they become part of the Food Contact Material (FCM) and thus several Regulations apply. The presentation will show the relevance of compliance work in the supply chain and how an ink manufacturer can take responsibility for a safe packaging solution.

14.00 – 14.15 | Introduction to Sustainable Label Markets | Corey Reardon, AWA (NL)

14.15 – 14.30 | Presentation Release Liner By-Product Solutions | Speaker tbd (source AWA)
PARALLEL WORKING SESSIONS

STREAM A: TECHNOLOGY & BUSINESS:

SESSION A2: BUSINESS

Economic Comparison Between Technologies: Business Impact of new Digital and Digitized Technologies (Technical and Economic Session)

16.00 – 17.30

The economic consequences of technical choices are risk/opportunity for the “digitalized” label converter. New technologies enable new production and business models. A wider scenario of business opportunities, and related TCO/ROI programmes are confronted to develop a common understanding of the new value creation in the Label industry.

- TCO/ROI models of leading technology suppliers
- Flexibility in multi-process hybrid presses
- Final Roundtable on Digital vs Flexo vs Hybrid (Business oriented)
- New Business scenarios through IoT and Digital Workflow

STREAM B: REGULATORY AFFAIRS, SUSTAINABILITY & ADHESIVES:

SESSION B2: ADHESIVES AND ADHESION
CHAIRMAN: MIKKO RISSANEN

16.00 – 16.30 | General Overview on Adhesive Technologies and Coating Methodology | Speaker from UPM Raflatac tba

16.30 – 16.50 | Smart and Sustainable Solutions to Create the Future of the Label Industry | Jérémie Peyras/EMEA Business Development Manager for the Tape and Label market, Bostik (F)

In the packaging and label market, recyclability, compostability and renewable sourced materials are key challenges pushing converters to explore new way of designing sustainable labels. This presentation will show Bostik’s patented wash off hot melt PSA innovation, describe the wash-off process used for returnable glass bottles and especially the conditions used to remove the label from the glass material to make it reusable. Furthermore it will detail technical background of the adhesive and impact of the structure/composition on the performance and especially the ability to debond on demand during recyclability processes. The mechanism is environmentally friendly as it is not polluting the washing bath by adhesive residue or label sticking to the equipment.

16.50 – 17.10 | Waterbased Acrylic PSA | Speaker tba

17.10 17.10 - 17.30 | Biobased, Compostable or Recyclable? The artimelt Approach | Nicole Senn, Head of R&D, artimelt (D)

Taking the responsibly about humans and nature lies in the DNA of artimelt AG. artimelt was founded in 2016 combining the hot melt competencies of Collano, nolax and emerell under one roof. The clear task is to create a centre of competence for hot melt adhesives. Hot melt as solvent-free technology is already ecologibal, but we at artimelt want to go further. Today we set a focus on sustainable products. Not only following market trends – we are additionally asking questions on the origin of raw materials, the lifecycle of hot melt containing good as well as the end of life scenario our products are facing. There is still confusion going on with the three concepts – bio-based, bio-degradable / compostable and recycling – in the market. The presentation will clarify the differences and highlight the difficulties as well as the chances we are facing as a speciality hot melt producer. Furthermore, we want to outline some of our projects in the different fields bio-based, bio-degradable / compostable and recyclable.
09.00 – 09.30  
**Poly(methyl Methacrylate) for the Label Industry**  
Markus Parusel, Product Manager Acrylic Films, Röhm GmbH (D)

Markus will give a broad overview of the production of PMMA as well as its processing into a wide variety of semi-finished products, particularly films with thicknesses in the 50 – 1000 µm. The focus will be on the specific property profile of the polymer and its utilization within the label industry. He will also describe the extraordinary versatility of PMMA, which allows for highly diverse applications in the label industry. Particularly noteworthy are the possibilities of producing clear, transparent, or opaque colored films and functionalizing the surface by combining it with other polymers - or, in the simplest case, texturing the surface. In addition, the basic property profile can be configured so that durable label products are designed to protect the underlying substrate against weathering influences even after years of outdoor use. Furthermore, ultra-brittle labels which are exceptionally easy to destroy can be produced for counterfeit and brand protection purposes, as well as tamper evidence.

Last but not least, the presentation will also describe special features of processing and downstream processing and provide an outlook of brand new developments.

09.30 – 10.00  
**HERMA InNo-Liner – Innovative Linerless Labelling System**  
Markus Mateescu, Director for silicone and liner development, HERMA (D)

The newly developed HERMA InNo-Liner system enables labelling without liner. Conventional siliconisation of the label surface as in classical linerless materials, is entirely eliminated. The initially non-sticky adhesive is only activated by the novel water-atomisation system shortly before it is dispensed. These specific properties are made possible by the use of HERMA's innovative multi-layer coating technology. The exceptional final adhesion on open surfaces (e.g. cardboard) as well as a broad versatility of materials ensure high flexibility, cost-effectiveness and custom-tailored solutions.
10.00 – 10.45 Coffee break and opportunity to visit the tabletop

10.45 – 11.30 **Ecoleaf – Sustainable Metallization for Graphic Arts**
*Dario Urbinati, Chief Sales & Marketing Manager, Actega Metal Print (D)*

The presentation will show a sustainable metallization technology that significantly reduces the amount of material, waste, cost and production time for creating decorative embellishments compared to today’s conventional processes that are mainly foil-based.

Integrated inline into analog presses, digital printing presses or finishing equipment, or retrofitted to existing equipment, EcoLeaf technology consists of a printed trigger image and a metallization unit that applies a very thin layer of metal pigments onto a donor roller that is very precisely transferred onto the trigger image. The EcoLeaf metallization module can be positioned anywhere after the station that prints the trigger image. The trigger image is cured on the station where it is printed before it proceeds to the next station. It is also possible to print the trigger image inline on a printing press and perform the metallization offline. By creating the trigger image with different printing methods, you can generate a wide range of metallic embellishments: Tactile metallic effects without embossing (rotary or flatbed screen) Very fine metallization at the highest resolution (flexo) Seamless and variable metallization (inkjet).

11.30 – 12.00 **Powerdrop: Enabling Non-Contact Coating With Difficult Materials**
*Guy Newcombe, CEO, Archipelago Technology (UK)*

The Powerdrop process has been developed to enable non-contact coating at high speed and low waste. It can lay down materials that other printing processes find difficult. In particular: white basecoat, high particle loadings, metallics and adhesives. In this talk Guy will introduce the Powerdrop technology and explain how it can be used to make better web-based products and solve some long standing problems.

DARIO URBINATI
Chief Sales & Marketing Manager, Actega Metal Print (D)

GUY NEWCOMBE
CEO, Archipelago Technology (UK)
REGISTRATION DETAILS & USEFUL INFO

PARTICIPATION FEES & REGISTRATION

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINAT members</td>
<td>Euro 675</td>
</tr>
<tr>
<td>Non members</td>
<td>Euro 850</td>
</tr>
<tr>
<td>FINAT active committee members</td>
<td>50% discount</td>
</tr>
</tbody>
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The participation fee includes the full programme, dinners, lunches and the seminar proceedings. Hotel rooms have to be settled directly with the hotel. Credit card numbers are required to guarantee the rooms.

DEADLINE TO REGISTER:
4 FEBRUARY 2020

Note 1: Regarding the parallel sessions on Thursday 5 March: As both are taking place simultaneously, you will have to choose between Stream 1: Technology & Business or Stream B: Regulatory/Sustainability/Adhesives. Make sure to click the right option in the registration form. You can always change your mind on the spot.

Note 2: Hotel rooms should be booked directly with the hotel. Please make sure to mention that you have booked a room in the online registration form. If you do not need a room, or if you are going to reserve another hotel, you can state that in the form as well.

TABLETOP EXHIBITION / SPONSORSHIP

Supplier members can make use of business-to-business marketing opportunities and rent an exhibition table for the duration of the event. Costs: Euro 850.

In this price are included:

- Table (approx. 1×1.70 m), 2 chairs, and electricity
- Exhibitor listing (company name and logo) in the final seminar programme
- Company logo published on seminar page of FINAT website
- Company logo rotating on FINAT presentation during the seminar

DEADLINE TO REGISTER FOR THE TABLETOP:
1 FEBRUARY 2020

Set up: Wednesday, 4 March 2020, from 15.30 – 18.00
Dismantling: Friday, 6 March, after 14.00 – 15.30

Note 1: As most companies have their own pop-up posters and roll banners, melamine poster boards will no longer be supplied. In case you do require this option, please contact the FINAT secretariat and mention it under ‘comments/requirements’ in the ‘Sponsor Application Form’.

Note 2: If you decide to also sponsor the ELF 2020 in Rome, Italy (3-5 June), a 15% discount will be applied to the ELF sponsor fee.

Note 3: When you are using couriers to dispatch your materials to and from the Crowne Plaza, make sure to prepare all documents in advance. Return shipments are your own responsibility. Of course the hotel and FINAT staff can assist you as far as (temporary) storage of material is concerned.
REGISTRATION DETAILS & USEFUL INFO

DRESS CODE

Business casual.

HOTEL ACCOMMODATION

Crowne Plaza Barcelona Fira Center
Avda Rius i Taulet, 1-3 | E-08004 Barcelona, Spain

Tel: +34-93-4262 223
Fax: +34-93-4255047
E-mail: reception@cpbarcelonafiracenter.com
URL: www.crowneplaza.com/barcelonafira

Room prices: € 175 (single) € 195 (double)
Breakfast included. 7% city tax excluded

Book your room: FINAT Technical Seminar Group Code: PP8 is already mentioned on the website. If you wish to prolong your stay, please send an email to groups@cpbarcelonafiracenter.com.

CANCELLATION POLICY

Seminar
Full refund of the participation fee will be given to cancellations received in writing before 15 February 2020. Between 15 and 28 February a refund minus Euro 150 handling fee will be applicable for each cancellation. No refund will be given to cancellations received after 28 February. All cancellations must be done in writing.

Hotel
You can cancel your reservation free of charge one month prior to the event, i.e. before 4:00 PM (local hotel time) on Tuesday, 4 February. A cancellation of the reservation after 4 February, 4:00 PM will be charged in full.

DIRECTIONS

Nearest airport: Barcelona Airport El Prat (BCN), 12 km, 15 minutes by car
Nearest train station: Estació de Sants, 1.6 km, 9 min by car, 23 minutes on foot
Nearest subway station: Plaça d’Espanya (Red Line, L1) or (Green Line, L3), 700 m, 10 minutes on foot

DISCLAIMER

FINAT cannot be held legally responsible for any modification to the seminar, additional costs, or even cancellation of the seminar, if such is the result of an event, occurrence, effect or any cause outside the control of FINAT (force majeure), including but not limited to fire, casualty, accident, riot or war, act of God, civil disturbance, act of public enemy, strike, lock-out, labour conditions or other labour controversy, failure or inability to obtain any necessary permit or licence, failure or delay or reduction in transportation facilities or water, electricity or other public utilities, judicial order, law or enactment, order or act of any governmental instrument or military authority. FINAT accepts no responsibility for possible injuries sustained during any part of the event.