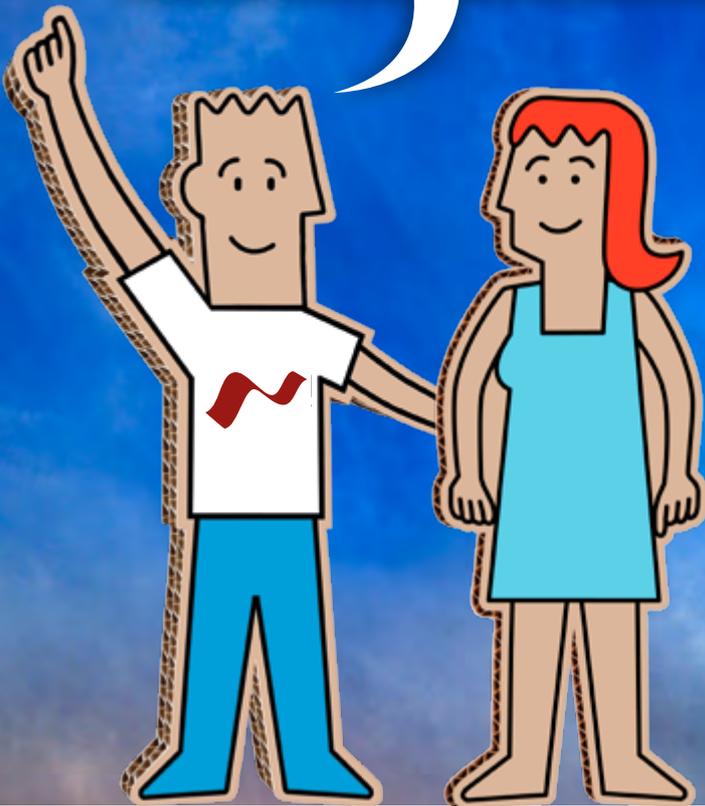




SPECIAL EDITION

FEFCO Technical Seminar

WELCOME TO BARCELONA



content



2

Welcome Address

3

FEFCO Production Committee

4-5

Conference Programme

Highlights during event

6-7

Spotlight Sessions

8-9

Exhibitors

10-11

FEFCO Mobile App

Sponsors

12

FEFCO Activities

Events

Welcome



Roberto Villaquiran,
FEFCO President

It gives me great pleasure to welcome you to the 18th FEFCO Technical Seminar. The continuing success of this event is due to the ongoing support of FEFCO members, both from the corrugated industry and their suppliers. So let me thank you once again for joining us – you make the event the success that it promises to be. Thanks are also due to the Production Committee, whose tireless dedication over the past months to ensure that the seminar is the best that it can possibly be has made me extremely proud to be President of such a dynamic federation.

The Corrugated Industry has many reasons to be optimistic about the future, and by means of this seminar you will be part of a unique occasion to learn, share experience and be prepared for the challenges that our industry faces. With the ambitious theme of **Industry 4.0** we will give insights on how machine suppliers can help us to get “smarter” machines, processes and factories and how paper suppliers will transfer data specifications from paper mill to corrugator. We are part of a supply chain that is evolving fast and thus, I hope that by the end of the seminar you have some insights which can enable you to meet the challenges of tomorrow.

I wish you a very successful three days and hope that you will also have some time to enjoy the beautiful and fascinating city of Barcelona.



Marc Van Damme,
FEFCO Production Committee Chairman

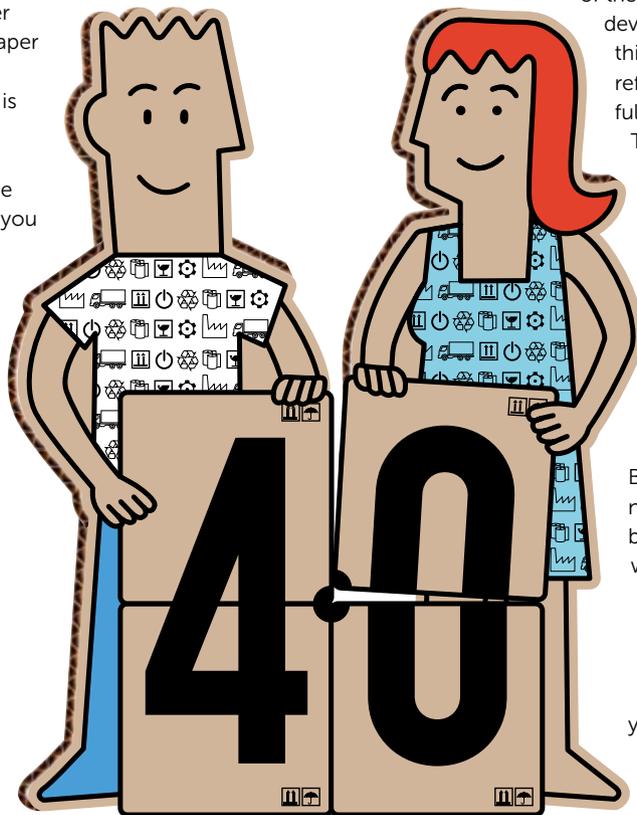
A warm welcome to Barcelona and to the 2015 FEFCO Technical Seminar!

It is an honour to welcome you for the first time in my capacity as chairman of the FEFCO Production Committee. Since taking over this role in 2013 we have been working hard to bring to you the best Technical Seminar ever - not an easy task with the bar already having been set high by previous seminars. So I am delighted to say that we are about to surpass last year's attendance with around 800 delegates having registered. I believe this is thanks to the exciting programme we have drawn up and the genuine value that the FEFCO Technical Seminar offers the Corrugated Industry.

With the theme **Corrugated 4.0: Smart Factories for Flexibility and Efficiency** we are once again looking ahead to all the possibilities and opportunities that our industry can embrace to ensure longevity and continued prosperity. A cornerstone of the seminar is the presentation of new developments, innovations and insights and this year I believe we have excelled. This is reflected in the fact that our exhibition area is fully booked, with 110 stands and 76 exhibitors. The increasingly popular “spot light” sessions will also showcase the latest technical innovations in “bite-size” seven minute presentations.

Of equal importance are the networking opportunities that the seminar presents. We offer a unique chance for industry professionals to meet current and potential suppliers creating a synergy that no other communication channel can match. With the vibrant and beautiful city of Barcelona as the back-drop, I am sure that not only will you benefit from this unique blend of networking and information, but you will have fun in the process!

Finally, I would like to extend my thanks to the FEFCO staff and the Production Committee for their dedication and outstanding team work in bringing to you what promises to be an enjoyable and valuable three days of technical excellence and personal contact.





FEFCO Production Committee

Excellent events don't happen by themselves. Behind the smooth running of the FEFCO Technical Seminar, where content is of the highest standard, and the exhibition is outstanding, lies hundreds of hours of hard work, thought and dedication. For this, we have to thank the FEFCO Production Committee.

Special thanks must go to Marc Van Damme, the Chairman of the Production Committee who has played a big role in the management and coordination of this event.

But one man cannot work miracles on his own and so our thanks must also be extended to all the members of the Production Committee whose commitment and hard work are the foundations upon which the seminar's success are built.

Thanks to **FEFCO Production Committee members** we are prepared for Corrugated 4.0: Smart Factories for Flexibility and Efficiency!



Bernd Dilger
DS Smith Packaging Switzerland AG



Klaus Lücke
Klinge Paperwerke GmbH & Co. KG



Luis Martín
International Paper (Europe) S.A.



Julian Pachniewski
VDW/FEFCO



Johann W. Grünwald
Smurfit Kappa Corrugated Central Europe



Timm Ramcke
Kunert Wellpappe Biebesheim GmbH & Co. KG



Michael Frey
Rondo Ganahl AG



Bogdan Orzechowski
Smurfit Kappa Polska Sp. Z.O.O



José Herrando
SAICA Pack



Marc Van Damme
VPK Packaging Group NV
Chairman

Smart Factories for Flexibility and Efficiency

Day 1 - Wednesday 28 October

09.00	Registration starts
09.45	Welcome Coffee and exhibition visit
10.30	Welcome Address Marc Van Damme, FEFCO Production Committee Chairman
10.35	Spotlights Session 1
11.45	Break
12.15	Spotlights Session 2
13.15	Snack Lunch on the exhibition floor
14.00	President's Address Roberto Villaquiran, FEFCO President
14.15	Smart Factories for Flexibility and Efficiency Dr Frank Miletzky, PTS
14.45	A Customer's view on the Corrugated Industry of the Future Christoph Merle, Migros-Industry
15.15	Break and Exhibition Visit
15.45	Requirements and Road Map to Industry 4.0 Peter Flieher, T.CON
16.15	Business Value from Supply Chain Data within Corrugated 4.0 Stefan Bauer, Witron
16.45	Questions & Answers
17.15	Spotlights Session 3
18.30	Visit of the Exhibition
19.15	Cocktail Reception sponsored by HP

Day 2 - Thursday 29 October

08.30	Opening Day 2
	Testing on Corrugated
08.35	Predicting Print Quality on Paper Anita Teleman, Innventia
08.50	Manage Box Strength through the Process Ian Chalmers, DST
	Future Challenges for the Converting Process
09.05	4.0 - Are the New Ones the Old Ones ? Challenges in Converting Walter De Smedt, Smurfit Kappa
09.20	Opportunities for the Future - A View from a Converting Machine Manufacturer Ralf Schiffmann, Göpfert
09.35	Coffee break and exhibition visit
	Digital print
10.20	How Digital Has Already Changed Industrial Markets Wolfram Verwüster, Durst

10.35	How Digital Printing Will Impact Processes in Converting Jakob Bovin, BOBST
10.50	Preprint - Beyond the Limitations of Analogue and Digital Alexander Cartellieri, Conprinta
11.05	What Does it Take to Go Digital? Ronen Zioni, HP
11.20	Questions & Answers
11.50	Break
12.30	Spotlights Session 4
13.35	Lunch in the banquet hall followed by coffee on the exhibition floor
14.45	Spotlights Session 5
15.50	Break
16.30	Spotlights Session 6
17.30	Exhibition Visit
18.30	Exhibition closes

Day 3 - Friday 30 October - morning

08.30	Opening Day 3
08.35	Safety 4.0, Our Goal, Our Inspiration Stefan Buchner, Smurfit Kappa
09.05	Corrugators in a 4.0 Environment Lars Engel, BHS Corrugated
09.35	Quality Control Systems on Corrugators, Existing and Future Possibilities Jari Almi, Valmet
10.00	Coffee Break and Exhibition Visit
11.00	Moisture as Key Clue in Corrugator Production Marek Motylewski, Mondi
11.45	Questions & Answers
12.15	Award Ceremony and Closure
12.45	Lunch followed by coffee on the exhibition floor
14.00	Exhibition closes - end of the Technical Seminar



FEFCO Standards for Converting Equipment

Technical Specifications for Equipment and processes



The standards support all those involved in the defining and checking of conversion equipment performance from pre-feeder to stacker. This includes printing, die-cutting, folding, gluing, breaking, stacking and bundling.

Using these standards will ultimately result in a win/win situation throughout the whole supply chain.

Machines will be delivered ready to run and the converter will have a better understanding of what his/her equipment can deliver.

All Technical Seminar participants will receive a USB key containing the FEFCO conversion equipment standards workbook.

Save Food exhibition will be present in Barcelona



The Save Food exhibition illustrates in detail the extent of food losses and waste around the globe, offers an overview of the various projects by Save Food members and provides information about the engagement of individual member companies or associations. The Save Food initiative is a cooperation between the Food and Agriculture Organisation of the United Nations (FAO), the United Nations Environment Programme (UNEP) and Messe Düsseldorf GmbH to combat global food losses and food waste. It aims to network actors from business, politics and research, stimulate dialogue and help to work out solutions along the food value chain. Furthermore the initiative intends to launch and promote its own projects with the support of the industry.



SAFETY HANDBOOK

Health & Safety is of the highest concern for FEFCO members. Smurfit Kappa Germany is offering all FEFCO members attending the Technical Seminar an English version of their Safety Handbook which describes in detail the work environment processes and responsibilities at plant level. Additional films showing case studies will also be available to FEFCO members.

This book provides good guidance when establishing or refining the systems within your own plant.

The PDF version will be available in the event mobile App.

**SAFETY HERO,
ACCIDENTS ZERO**



Spotlights

Day 1 - Wednesday 28 October

Session 1 10:35 - 11:45		
Brand	Speaker name	Spotlight title
Albany International	Guenter Starkert	EZ Lagging: the easy grip for pulley drums
BP Agnati	Thilo König	Agnati - challenge the future production process
Copar	Stephen Schmidt	Closing the Loop
Feltri Marone	Paolo Franchi	Modern corrugating belt technology for quality improvement and cost reduction
MarquipWardUnited	Juan Carlos Espada	BW Papersystems - Providing Packaging Systems to the World
Renova	Federica Cinà	Renova's 2015 innovations: Duplex and Moviroll systems
Valmet	Jari Almi	Valmet IQ - Moisture management in corrugated board making
BHS Corrugated	Georg Bernreuter	More productivity, less staff: Intelligent solutions for the Dry End
Session 2 12:15 - 13:15		
Brand	Speaker name	Spotlight title
Conprinta	Alexander Cartellieri	Future Box Plant
Erhardt+Leimer Corrugated	Ralf Schomaker	Increased efficiency and flexibility for the Corrugated-Converting Industry by 100% print inspection
ESKO	Jan De Roeck	Short Runs in Corrugated boxmaking - Prepress Considerations
Kiwiplan	Eckhart Ollig	Kiwiplan – Ensuring future success for your organization
OM Partners	Jan Geuens	Sales & Operations Planning - Planning for Profit
R.T.S	Gqstone Partisani	RTS GLOBAL The Made in Italy ERP System designed for the global market
Reed Exhibitions	Sinsia Xing	Outlook of Chinese Corrugated Industry
Session 3 17:15 - 18:30		
Brand	Speaker name	Spotlight title
BHS Corrugated / Vonderheiden	Helmut Kraus	Remote Solutions – the smart support for maintenance and production
BillerudKorsnäs AB	Ricard Burgues & Hanna Larsson	BillerudKorsnäs Box Design 2.0 – The Revolution
Feldmuehle Uetersen	Hans-Jörg Richter	MediaLiner : Reduced Complexity Meets High Efficiency
Innventia	Astrid Odeberg Glasenapp	Innventia – Leading in corrugated board research
Mayr-Melnhof Karton	Vincent Lambert	Bag-in-Box Liner
Metsä Board	Minna Kantsila	Safe and Sustainable 4.0 Liner
Powerflute	Robert Vaenerberg	The load carrying capability of a box and a variable climate
SCA Containerboard	Susanne Rutqvist	SCA Containerboard - Product innovation through cutting edge technology
Stora Enso	Artur Jerzylo	Avantliner – packaging applications with unique and stable color.

Day 2 - Thursday 29 October

Session 4 12:30 - 13:35		
Brand	Speaker name	Spotlight title
HP	Eviatar Halevi	HP strategy for Corrugated Packaging
Barberan	Dennis Van Ijzerloo	The road from Copenhagen to Barcelona
BOBST Mex	Jacob Bovin	BOBST – The Revolutionary Digital Printing Solution
Durst Phototechnik Digital Technology	Wolfram Verwüster	Durst Water Technology Digital Printing Technology for Corrugated
Emmepi Group	Alessandro Bersanetti	Global tracking flow supervision software
SERRA	Oscar Serra	Peripherals for Digital Printing
Sun Chemical	Phil Jackman	Hybrid ink technology for digital printing
Xanté	Micael Lopes	Improve Efficiencies with your Flexo Presses using Digital Printing
Session 5 14:45 - 15:50		
Brand	Speaker name	Spotlight title
Alliance (AMSE)	Dirk Mermans	Peripheral Equipment for Maximum Flexibility
Bahmüller	Oliver Weinmann	BAHMÜLLER – 70 years Corrugated Converting
BOBST Lyon	Yves Bletterie	FFG 8.20 EXPERTLINE – Fully automated complete line
EMBA Machinery	Olof Ronquist	The perfect box
Göpfert	Ralf Schiffmann and Markus Haupt	WellenWerk journal - News from Göpfert
JD Engineers	Pieter Ebbing	Quality Control Systems
BOBST Grenchen	Gilbert Joux	MASTERFLEX XL – Flexographic press for corrugated board and micro-flute
Daiso Europe	Manuel Busch	How to save time, increase quality and productivity in flat bed die-cutting process
Session 6 16:30 - 17:30		
Brand	Speaker name	Spotlight title
Ammeraal Beltech	Hermann Nelles	Smart Belting Concept
Apex International	Bas van der Poel & Kris Sentek	The perfect partnership: Smart Factories for Flexibility and Efficiency
Chimigraf	Cléo Vargas	Thermo-Chromatic & Phosphorescent inks
Fossaluzza	Tiziano De Vido	Fossaluzza Equipment
Marotech	Feiko Nauta	The MaroCrate System – European introduction of the Jumbo-Roll Cassette System for hot melt tapes.
MOSCA	Alfred Kugler	Innovative strapping solutions to reduce machine downtime in the corrugated industry
Pamarco	David Parr	Standardisation of Ink Transfer for converting corrugated paper board

The FEFCO Trophy

The spotlights, which consist of short presentations of the latest technological innovations by suppliers to our industry, always generate great interest amongst the delegates.

This year once again our jury will choose nominees for the following categories:

- Best Innovation (Gold, Silver and Bronze Award)
- Best Presentation
- Special Award for the most inspiring new FEFCO member
- Special Award for Health & Safety

The Award Ceremony will be held on Friday 30 October at 12.15.



List of exhibitors

	Stand number		Stand number
A.G. Stacker	49B & 50B	G Technologies	17
Absolute Engineering	6	Göpfert	51 & 52
Albany International	55B	Hamburger Containerboard	7 & 8
Al-GAR	56B	HP	91 & 92
Alliance Machine Systems Europe (A.M.S.E.)	64	Innventia	56
Ammeraal Beltech	29	JB Machinery	2
Apex International	78	JD Engineers	62
Asahi Machinery Europe	3	Karl Marbach	93
Avanti Conveyors	58B	Kiwiplan	83
Bahmüller	49 & 50	Macarbox	55
Barberan	53 & 54	Marotech	51B & 52B
Baumer hhs	32	MarquipWardUnited	25 & 26
BCM Transtech	77	Mayr-Melnhof Karton	84
BHS Corrugated	69, 70, 71 & 72	Metsä Board	61 & 63
BillerudKorsnäs	27 & 28	MHI Europe	57, 58, 59, & 60
BOBST	65, 66, 67 & 68	Minda Industrieanlagen	20
BP Agnati	85 & 86	MOSCA	79
Celmacch Group	31	Mühlen Sohn	4
Chemours International	47	OM Partners	16
Chimigraf	13	Pamarco	9 & 10
Copar	64B	Policart Anvil Covers	59B
Cyklop	62 B	Powerflute International	11
Daiso Europe	info point	R.T.S	82
Dicar	94	Re Controlli Industriali	12
Dücker Corrpal	61B and 63B	Renova	57B
Duo-Technik	30	Revicart	53B
Durst Phototechnik Digital Technology	87 & 88	SEEMI	54B
EDF Europe	34	SERRA	89
EMBA Machinery	23 & 24	Signode	35 & 36
Erhardt+Leimer Corrugated	5	SUN Automation	18
Escada Systems	21 & 22	Terdeca	1
ESKO	15	Tiruña	46 & 48
Feldmuehle Uetersen	45	TRESU	37 & 39
Feltri Marone	19	Valco Melton	33
Fosber	41, 42, 43 & 44	Valmet	80
Fossaluzza	60B	VEGA	40
Friese	90	Vonderheiden	73, 74, 75 & 76
FUJIFILM Speciality Ink Systems	14	WDX	81
		Witron	38
		Xanté	info point

LUNCH AREA ON WEDNESDAY AND FRIDAY

Bobst 067	Bobst 068	BHS 071	BHS 072	Vonder- heiden 075	Vonder- heiden 076	Mosca 079	Valmet 080
Bobst 065	Bobst 066	BHS 069	BHS 070	Vonder- heiden 073	Vonder- heiden 074	BCM transtech 077	Apex 078
Marotech 51B	Marotech 52B	Albany 55B	Al Gar 56B	Policart 59B	Fossaluzza 60B	Dücker Corpal 63B	Copar 64B
AG Stackler 49B	AG Stackler 50B	Revicart 53B	Seemi 54B	Renova 57B	Avanti 58B	Dücker Corpal 61B	Cyklop 62B
Göpfert 051	Göpfert 052	Macarbox 055	Innventia 056	MHI 059	MHI 060	Metsä Board 063	AMSE 064
Bahmüller 049	Bahmüller 050	Barberan 053	Barberan 054	MHI 057	MHI 058	Metsä Board 061	JD Engineers 062
Signode 035	Signode 036	Tresu 039	Vega 040	Fosber 043	Fosber 044	Krytox 047	Tiruna 048
Valco Melton 033	EDF 034	Tresu 037	Witron 038	Fosber 041	Fosber 042	Feldmuehe Uetersen 045	Tiruna 046
Feltri Marone 019	Minda 020	Emba 023	Emba 024	Billerud Korsnas 027	Billerud Korsnas 028	Celmacch 031	Baumer HHS 032
G Techno- logies 017	Sun automation 018	Escada 021	Escada 022	M W U 025	M W U 026	Ammeraal 029	Duo Technik 030
Asahi 03	Muhen and sohn 04	Hamburger Container- board 07	Hamburger Container- board 08	Powerlute 011	Re 012	Esko 015	OM Partners 016
Terdeca 01	JB Machinery 02	E + L 05	Absolute 06	Pamarco 09	Pamarco 010	Chimigraf 013	Fuji Film 014

EXHIBITOR
STORAGE

ENTRANCE /
EXIT

CONFERENCE
AND
SPOTLIGHT
ROOM

ENTRANCE
CONFERENCE
AND
SPOTLIGHT
ROOM

Dicar
094
Marbach
093
HP
092
HP
091
Friese
090
Serra
089
Durst
088
Durst
087
Agnati
086
Agnati
085
Mayr
Melnhof
084
Kiwiplan
083

RTS
082
Wandalex
081

ENTRANCE

Coffee break stations will be spread out over the exhibition area.

Mobile App



How to use the App

Event Guide



Programme

See the full event programme. Click «Add to Schedule» to automatically add to your personalised agenda.

Maps

Navigate the event through the floor plans and learn more about the area within the area maps.

Participants

Connect with your fellow attendees by exchanging your “digital business cards”. Any new contacts made will be housed within the “My Contacts” section of the app.

Search

Quickly locate any specific sessions, descriptions or speakers. Tap on the open text box at the top of the page to enter in a keyword of what you are looking for.

Practicalities

Learn more about the evening events, bus transport and Barcelona.

Exhibitors

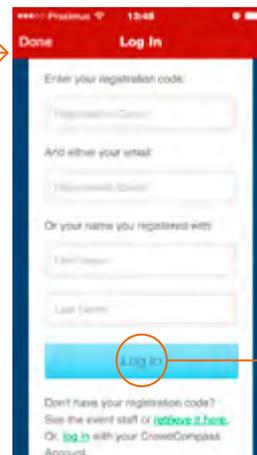
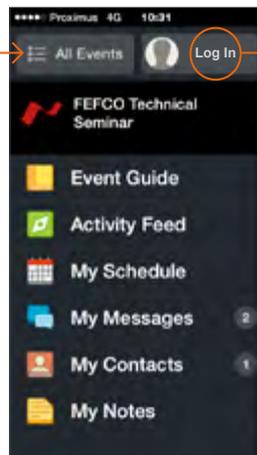
Discover the exhibiting companies. Click on the company’s name to see a description and contact details.

Speakers

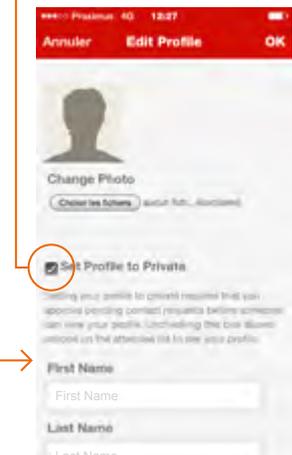
Learn more about the presenters by selecting the person’s name within the list. You can tap on the speaker’s name to see their biography.

N.B: The event is accessible to **BlackBerry devices, Windows Phone users**, and desktop computers through your web-based version. The URL for this is: <https://crowd.cc/fefcots15barcelona>

Side Bar



Make you visible or hidden



Learn

- Speaker’s biographies, photos and schedules
- Programme of the conference and spotlights
- Exhibition plan and exhibitors’ profiles
- Real-time event listings

Connect & interact

- Private networking feature
- Participants and speakers list
- Speakers rating
- Questions to the audience

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Event Guide

Go back to the home page.

Event Compass

See what is happening in the next hour.

My Schedule

See your personalised agenda.

Notifications

Tap here to receive news, information and updates from the organiser.

Contacts

View the contacts you have made during the event.

My Notes

View any notes you have taken throughout the event.

FEFCO wishes to thank HP and Tereos for their sponsorship of this 18th Technical Seminar

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HP Scitex 17000 Corrugated Press



HP PageWide Web Press T400S

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Silver Box Sponsor



Tereos is the sponsor of all the Technical Seminar coffee breaks

www.tereos-starchsweeteners.com

Z.I. et Portuaire - BP 32

F-67390 Marckolsheim

FEFCO Activities

New FEFCO Members

A big welcome to the following new Sympathiser and Corresponding members who have recently joined FEFCO:

Sympathiser members

AG Stacker

USA
www.agstacker.com

Al-GAR (Mecanitzats Al-Gar Cardedeu)

Spain
www.al-gar.com

ATS-Tanner Banding Systems

Switzerland
www.ats-tanner.ch

Daiso Europe

Germany
www.daiso-europe.com

EFI (Electronics for Imaging)

USA
www.efi.com

EMMEPI Group

Italy
www.emmepisrl.com

G Technologies

Italy
www.gtechnologies-srl.com

Macarbox

Spain
www.macarbox.com

World Elastomers

Spain
www.wetsl.com

Xanté Europe

Netherlands
www.xante.com

Corresponding Members

Orora Fibre Packaging

Australia
www.ororagroup.com

Events

FEFCO Summit 2016

The Grand Hyatt in Berlin - Germany
Save the date!
18-20 May 2016

Other events

Logistica 2015

10-13 November 2015
Utrecht, The Netherlands
www.logistica-online.nl

EUROPACK EUROMANUT

17-19 November 2015
Lyon, France
www.europack-euromanut-cfia.com

European Paper Week

17-19 November 2015
Brussels, Belgium
www.cepi.org/EPW

Packaging Innovations - Madrid

18-19 November 2015
Madrid, Spain
www.easyfairs.com

Retail World Berlin

18-19 November 2015
Berlin, Germany
www.handelskongress.de

Empack - Brussels, Belgium

25-26 November 2015
Madrid, Spain
www.easyfairs.com

Read FEFCO's new brochure

Corrugated packaging - Let's take a look inside

Available at: www.fefco.org/media-publications/publications



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