

## INGEDE Member Participated in Panel Discussion

### More UV, Impact on Paper Recycling: "LE(D)-UV Printing From an Ecological Perspective"

Summary of an Article in "Der Druckspiegel" (in German)

A remarkable panel discussion at the information center for sustainable print production, in the "Druckhaus Berlin Mitte (DBM)", a German printer who was the first to be awarded the Blue Angel for their printed products.



Panel discussion

The still quite new LE- or LED-UV printing technology is often advertised to be sustainable, because the new dryers consume less energy. But this is only one aspect. The problems in deinking these print products is another. In March, at DBM there were Roland Schröder, product manager UV inks at hubergroup, and Frank Wenig of Steinbeis Paper presenting and discussing with the audience – on invitation of Martin Lind, General Manager of DBM.



Dr. Frank Wenig

Lind quoted INGEDE who has pointed at problems in deinking UV-curable inks

already on different occasions (e. g. see [press release 1/2015](#)). He quoted another expert from the IFEU Institute warning that the printing industry has to be careful not to create an image of being a polluter.

Schröder pointed at decreasing sales in the field of offset inks but growing for LE-UV inks. For him and his company, the current state in terms of recycling and deinking of UV ink is not satisfactory. He mentioned wrong lobbying by the associations and not enough pressure from outside to be responsible for little awareness among print customers. For him it is a fact that UV inks are not or not sufficiently deinkable.

Frank Wenig of Steinbeis presented the closed-loop in paper production at Steinbeis. INGEDE already in 2008 pointed at issues with UV-curable inks, Wenig also mentioned the [press release of 2015](#) which is still valid. Showing pictures of "standard" and UV-printed papers after recycling, Wenig showed how insufficient the deinking of UV-curable inks is. He mentioned a severe damage caused by too much UV-cured ink in the printer waste (which according to EN643 is not allowed in graphic paper for deinking).



Roland Schröder

Pictures: DBM

In the discussion, Schröder also mentioned health risks by UV inks – skin contact is to be avoided, protective wear is mandatory. A representative of a printer manufacturer explained time pressure and new possibilities to be the driving forces, ecology being less important.

As a conclusion, the article states that it is up to the printer whether he claims to be environmentally friendly just because of using less electricity in the curing process, while UV-printed products are not favourable for the environment.

## CALENDAR OF EVENTS

5–6 September 2017  
**PTS Streicherei Symposium**  
Munich, Germany

6–7 September 2017  
**GesPaRec-Workshop**  
Heumbuchental/Spessart,  
Germany

10–13 September 2017  
**International Research  
Conference of iarigai**  
Fribourg, Switzerland

25–27 September 2017  
**ELMIA Waste Recycling**  
Jönköping, Sweden

27 September 2017  
**PAP-FOR 2017**  
Moscow, Russia

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The full article (in German) can be found on the [website of Der Druckspiegel](#).

**INGEDE members** can download Frank Wenig's presentation from the **INGEDE website** (Workspace).

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