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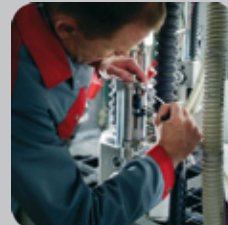
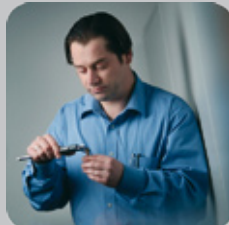
Make Love not War

Under the alias 'Miss Geschick & Lady Lapsus' at the moment more and more fancy design ideas are presented in the German media world. Behind all this are the prospective diploma designers Olga Bielawska and Astrid Schildkopf, who already during their studies created original products. Among them is also some linen ware, finished with flock. Within the frame work of a studies project solutions should be found for the smaller problems of the daily life. And the designers thought that the actual rather small problem 'to fight for the cover' really is such a wide-spread problem. Therefore, a line had to be found which objectively separates

"mine and yours". Soon enough flock came into the game and as the ladies had rather little knowledge of this matter and also didn't know anybody they could approach, they contacted the Association of the Flock Industry Europe (reg.).



Bed linen from Miss Geschick & Lady Lapsus



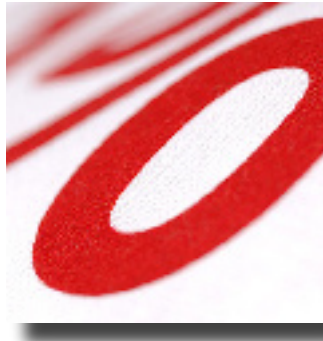
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After an extensive discussion it was decided to carry out the “fifty/fifty linen ware”. By using flock applications it is possible to even in the dark feel the separating line. Especially enjoyable was the fact that the Association’s member **IVB-Transfer-Druck Systeme** spontaneously agreed to support the students and make available the necessary transfer foil free of charge.

Today, this linen ware is being distributed under the logo

“*Make Love not War*” and after several fair presentations – i.e. at the Tendence Lifestyle/Frank-



flocked bed linen, photo : Miss Geschick & Lady Lapsus

furt, Germany, DesignMai/Berlin, Germany or Blickfang/Vienna, Austria – this linen ware received a lot of attention especially in the internet. On top of this, lifestyle publications like Elle Decoration, Vogue Korea, Möbel/Kultur and Neo2 reported on this. Now because of numerous requests, it is intended to professionally start this production.

CL gm



19th International Flock-Symposium at Berlin, Germany

Already in the last two FLOCK-News we drew your attention to the 19th International Flock Symposium, taking place from 26th to 27th of March, 2007. Should you still not know the complete program, you’ll find more information here.

Meanwhile, already the first applications wanting to profit from the early-bird discount, have reached us. And also the first exhibition booths have been booked so far and we already expect many industrial representatives present at the Get-Together on Sunday. This meeting is also organised by the Association of the Flock Industry Europe (reg.) and takes place traditionally after the Members’ Assembly.

As already in the past, we are starting today with the introduction of the lecturers as well as with a short version of the lecture. Certainly, all participants will again receive a manual with the full lectures printed.

CL gm



„Innovative Aspects for Textile Industry by means of Nano Technology“

The importance and demands on functional finishes continue to grow. Especially textiles for medical and technical applications nowadays need intelligent and highly effective chemical solutions. Nanotechnology offers manifold new possibilities to realize these functionalities. It delivered its first important results in the fields of medicine, material science and in particular in surface technology. For the coating of surfaces like glass, ceramics or metals the so-called sol-gel process became successful. With this process a layer of

an organic-inorganic composite is applied, and properties like fastness to scratching, soiling, resistance to chemicals or optical performance are greatly improved.

Functional coatings on textiles have to perform additional requirements, like elasticity or durability as well as simple application processes. The experiences in the course of the transfer of sol-gel process to textile surfaces will be described.

iSys MTX and iSys AG, an innovative product combination for a durable antibacterial finish will be introduced. iSys MTX is a reactive organic-inorganic sol for textiles, which includes outstanding binding properties. With iSys MTX the sol gel process in textile industry becomes

reality. iSys AG is based on silver which is fixed on the fibre surface by iSys MTX and therefore gives a durable protection against bacteria. Furthermore it will be shown that this organic-inorganic sol-gel matrix offers many possibilities to include other functionalities.

Born in 1964 in Stuttgart, Germany, **Dr. Matthias Koch** studied chemistry at the University of Stuttgart, and received a doctorate in metal-organic chemistry at the Institute for Anorganic Chemistry, which was followed by a practical training with Messrs. Th. Goldschmidt AG, at Essen, Germany. The years 1996 to 1997 he spend as a scholarship holder of the Industrial Research Foundation with the Hansa Textil Chemie GmbH, at Oyten, Germany, where he carried out the survey of wash-permanent, hydrophilic silicone softeners. In 1997 he was employed by Hansa Textil Chemie GmbH at Oyten, Germany, as development chemist and was responsible for the developing and formulating of functional silicones for the textile application and its transfer into the production. Since the year of 2002, Dr. Koch is employed by Messrs. CHT R. Beitlich GmbH, at Tübingen, Germany, where he worked in the department Finishing being responsible for R & D in the area silicone chemicals. Since 2005 he works in the department Innovation at Messrs. CHT R. Beitlich GmbH, which focuses in the evaluation of new technologies and chemical trends.

„Hybrix - A new ultra-lightweight composite for lightweight-constructions“

Materials which combine high rigidity with a low weight carry a great competitor's advantage because they are more lightweight, stronger and faster with more energy savings. The innovative Hybrix composite material consists of two (thin) cover coats made of metal and an in-between distance holding pile of stainless-steel flock fibres which are bonded to the metal plates by a thin adhesive coat. The thin sandwich construction

may replace the conventional steel plates in existing constructions. Hybrix carries the same sturdiness as solid steel plates, but reduces the weight to the one of aluminium.

The low weight and the high, mechanical stiffness, the good formability as well as a high energy- and noise absorption are the main advantages of this innovative composite material. The new material carries extremely deep-drawing abilities, may be recycled without problems, is heat insulating and carries a high bending stiffness and a shearing strength, making it suitable for all mobile areas.

The applications lie – among others – in the automotive industry, the aircraft industry and the ballistic safety protection of persons and vehicles. The Swedish company Lamera plans to use the laminate in wheel boxes, for motor covers or as intelligent crash-elements. Moreover, Hybrix-elements will be used as spoilers for trucks, as housing for drive mechanisms, wings and side-rudders units for airplanes, for ship constructions and for air cargo containers, for mobile home housings and campers and also as noise absorption housings for refrigerators.

Curriculum Vitae **Petra Schneider**

- *Study of textile finishing and textile chemistry with focus on technical textiles and nonwovens at the Fachhochschule Mnchberg*
- *Assistant of the head of R&D at Helsa-Werke, Gefrees*
- *Since 1998 at the Institute of Textile Technology and Process Engineering Denkendorf, Department of technical textiles, surface treatment and environmental technologies. Co-ordinator of the coating laboratory*

Curriculum Vitae **Anders Axelsson**

Mr. Anders Axelsson is born in Sweden and holds a M.Sc. from Chalmers University of Technology, Gothenburg. He is the Managing Director and co-founder of Lamera AB a spin-off company from AB Volvo. The line of business is within advanced materials and one of the core technologies is flocking of metal fibres.

**Dear member,
Ladies and Gentlemen,**

Again the year comes to an end. We realise it latest when the hectic usually happening towards the end of the year, starts building up. The closing of the year, urgent customers wishes but also the first preparations for new projects in the coming year, lets creep hectic in the time otherwise praised as 'quiet season'.

This past year was rather important for the European flocking industry, to stabilise already achieved purposes and to prepare for an innovative future. With the image-campaign of the Association of the Flock Industry Europe (reg.), we again sensitised many designers and developers. A lot of them recognised that the extraordinary haptic can be combined with functional features which in this way no other surface can deliver. Moreover, our companies convince with a high quality and make it clear that the flock technology is far more than just flocking toys. This led to many suggestions from those responsible for product development. But also many questions from designers

could be answered by the flock technology and offer better and surprising solutions. This years' Materialica demonstrated it rather impressively. While last year general information were requested, this year saw the interested parties coming to our booth already with ideas the solution of which had to be



discussed with our experts. And the flock technology was presented really colourful at our booth.

Also, the products again and again presented in our FLOCK-News proof which kind of creativity may be triggered by a flocked surface. The visits and time spend at our homepage (www.flock.de) also state the rising interest as well as the fact that for nearly two years straight the

associations' web-site because of its excellent placement with the leading search machines may be reached quickly and uncomplicated. Here, new applicants, engineers and designers find everything they need to enter the flock technology. And the creativity present in our trade leads to another progress. New ideas bring new requirements and demand new ways for their solution. We from the Association of the Flock Industry Europe (reg.), offer the ideal platform to all participants. And here quite clearly the advantage is shown when the entire production chain of the flock technology is bundled in one association.

When you read carefully through the program of the 19th International Flock Symposium taking place in March of 2007, you will realise that many new developments and techniques are just waiting to be transferred into new products and production methods.

Also, the very high number of inquiries reaching the association during this year brings the justified hope that more novelties can be expected.

We would like to thank all members, who by their personal commitment not only actively supported the association's work above company level especially in the past but together with the office engaged in the translation of new ideas.

To all members and readers of the FLOCK-News as well



as to their families and their co-workers, we wish a

**Merry Christmas
as well as a successful and
creative year of 2007
in good health**

Clemens Lotze
Managing Director

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