



**PROGRAMME  
2007**

43<sup>rd</sup>  
International  
Detergency  
Conference

April 24<sup>th</sup> to 26<sup>th</sup>, 2007

Hilton Hotel  
Düsseldorf  
Germany

## 43<sup>rd</sup> International wfk Detergency Conference

The International wfk Detergency Conference has always been a forum of new cleaning technologies for more than 50 years. It is addressed to R + D staff and technicians in the field of detergency and its application. We invite you to attend this meeting place not only for intensive scientific and technical discussions, but also for meeting old and making new acquaintances.

We would like to thank the speakers and also our loyal audience from all over the world. We at wfk are very proud to attract outstanding speakers and an expert audience. In order to document the new working fields of wfk, the conference programme includes a session on hard surface cleaning and a session on the cleaning of medical instrumentation.

The new wfk-facilities in Krefeld allow a wide range of services for the industry and an extended scope of activities into new fields like hard surface cleaning, cleanroom technology, hygiene and cleaning of medical instrumentation. We invite you to get an impression of the wfk-facilities during the IDC (only 15 minutes from Düsseldorf by car).

Come to the wfk conference in Düsseldorf. wfk staff are at your service and will help you with your hotel reservations, sight seeing or cultural activities.

How to get here? It's easy! By plane, train or car, the town is located right in the middle of all major European travel routes.

Benefit from the wfk conference, enjoy the city and its surroundings and visit the new wfk facilities in Krefeld.

**The conference languages will be English or German. A simultaneous translation (English ↔ German) of all oral presentations will be provided.**

**We look forward to seeing you in Düsseldorf.**

## Assembly Room Plan and Time Schedule

	Tuesday, April 24 <sup>th</sup>	Wednesday, April 25 <sup>th</sup>	Thursday, April 26 <sup>th</sup>
Session 1: General Session	Rheinlandsaal		
Session 2: Basics and Household Cleaning Technology I	Rheinlandsaal		
Session 3: Basics and Household Cleaning Technology II		Rheinlandsaal A	
Session 4: Professional Dish Washing		Rheinlandsaal A	
Session 5: Basics of Detergency		Rheinlandsaal B	
Session 6: Professional Textile Care I		Rheinlandsaal C	
Session 7: Professional Textile Care II <b>intex, Technischer Kongress</b>			Rheinlandsaal A
Session 8: Hard surface cleaning			Rheinlandsaal B
Session 9: <b>3. Kolloquium "Medizinische Instrumente"/ "Medical Instruments"</b>			Rheinlandsaal C
<p>Posters will be presented in front of the conference rooms. An additional commercial exhibition will be situated in the foyer.</p>			
<b><i>Simultaneous translation (English ↔ German) of all oral presentations.</i></b>			

**Tuesday, April 24<sup>th</sup>, 2007**

**General Session 1**

09:00 – 09:15	<u>Jürgen Bohnen</u> , wfk, Krefeld, Germany	Opening of the conference
09:15 – 10:00	<u>Karlheinz Steinmüller</u> , Z_punkt GmbH The Foresight Company, Berlin, Germany	Neat visions. Glimpses into the future of cleaning
10:00 – 10:45	<u>Dinesh O. Shah</u> , University of Florida – Center for Surface Science and Engineering, Gainesville, United States of America	The role of sub-micellar aggregates in detergency and related phenomena

***Coffee Break and Poster Viewing***

11:15 – 12:00	<u>André Laschewsky</u> , Fraunhofer Institut für Angewandte Polymerforschung, Golm, Germany	Basis and perspectives of stimuli-responsive surfactants
12:00 – 12:30	<u>Uwe Vagt</u> , Klemens Massone, Eric Uerdingen, BASF AG, Ludwigshafen, Germany	Ionic liquids – unique solutions for customer success
12:30 – 13:00	<u>Bernd Proft</u> , Sachtleben Chemie GmbH, Duisburg, Germany	Self-cleaning surfaces by utilization of photocatalytic effects

***Lunch Break and Poster Viewing***

**Session 2: Basics and Household Cleaning Technology (I)**

14:00 – 14:30	<u>Raveendran Vaidhyanathan</u> , Whirlpool Corporation, St. Joseph, United States of America	Status of global washing machine performance standard IEC 60456
14:30 – 15:00	<u>Gundula Czyzewski</u> , BSH Bosch und Siemens Hausgeräte GmbH, Berlin, Germany	Updating the European performance standard for washing machines
15:00 – 15:30	<u>Rainer Stamminger</u> , Nina Wallenborn, Universität Bonn, Germany	Latest learning of factors influencing the accuracy of testing alkalinity in washing processes
15:30 – 16:00	<u>Dino Bongini</u> , Ceced, Brussels, Belgium	Proposal for a new procedure for accessing domestic washing machine performance

***Coffee Break and Poster Viewing***

16:30 – 17:00	<u>Lutz Vossebein</u> , wfk, Krefeld, Germany	Hygiene aspects in household appliances
17:00 – 17:30	<u>Felix Frey</u> , EMPA Testmaterialien AG, St. Gallen, Switzerland	Relation of mechanical action (gentleness of action) and washing-performance in household washing machines

### Wednesday, April 25<sup>th</sup>, 2007

#### Session 3: Basics and Household Cleaning Technology (II)

09:00 – 09:25	<u>Wolfgang Schiller</u> , Bundesanstalt für Materialforschung und -prüfung, Berlin, Germany	Care labelling: current state and future prospects
09:25 – 09:50	<u>Cornelia Witt</u> , BSH Bosch und Siemens Hausgeräte GmbH, Berlin, Germany	Enhancement of customer's benefit of household washing machines
09:50 – 10:15	<u>Soung-Bong Choi</u> , LG Electronics Inc., Seoul, Korea	Steam technology in household washing machines
10:15 – 10:40	<u>Dino Bongini</u> , Indesit, Pordenone, Italy	Better detergent management in domestic washing machines
10:40 – 11:05	<u>Thomas Hilgers</u> , wfk, Krefeld, Germany	New approaches and test materials for testing domestic laundry detergents

#### *Coffee Break and Poster Viewing*

11:30 – 11:55	<u>Rainer Stamminger</u> , Universität Bonn, Germany	Facts and figures on cleaning of dishes by hand and machine in Germany
11:55 – 12:20	<u>Carmen M. Pey</u> , Blanca Nogués, José M. Bermejo, Núria Siscart, Marc Bernat, Josep Vilaret, Kao Corporation, S.A., Barberà del Vallès, Spain	High performing dishwashing agents
12:20 – 12:45	<u>Thomas Klein</u> , Lanxess Deutschland GmbH, Leverkusen, Germany	Recent developments in automatic dishwash formulations

#### *Lunch Break and Poster Viewing*

### **Session 4: Professional Dish Washing**

14:00 - 14:30	<u>Werner Strothoff</u> , Ecolab GmbH & Co. OHG, Düsseldorf, Germany	New solutions for old cleaning problems in professional dishwashing
14:30 – 15:00	<u>Diana Heider</u> , Miele & Cie. KG, Gütersloh, Germany	Hygienic aspects of dishwashing processes in tank and freshwater appliances


### **Session 5: Basics of Detergency**

09:00 – 09:30	<u>Martin Andersson</u> , Anna Hillerström, Eva Sjöström, Anders Svensk, Irena Blute, Mikael Kjellin, Marie Sjöberg et al., YKI Institute for Surface Chemistry, Stockholm, Schweden	A new class of labile surfactants that break down to non-surface active products upon heating or after a pre-set time, without the need for a pH-change
09:30 – 09:50	<u>Cord Meyer</u> , Beatrix Föllner, Jürgen Bohnen, <b>wfk</b> , Krefeld	Cleavable surfactants for cleaning applications
09:50 – 10:20	<u>Martin Andersson</u> <sup>1)</sup> , Eva Sjöström <sup>1)</sup> , Anders Svensk <sup>1)</sup> , Jonas Gustafsson <sup>1)</sup> , Oiset Woisetschläger <sup>2)</sup> , Laititia Feuillet <sup>3)</sup> , Conxita Solans <sup>3)</sup> <sup>1)</sup> YKI Institute for Surface Chemistry, Stockholm, Schweden <sup>2)</sup> Dr. O.K. Wack Chemie GmbH, Ingolstadt, Germany <sup>3)</sup> Departamento de Tensioactivos, Barcelona, Spain	Formulation strategies for precision cleaning by tailored micro-emulsions and regular solutions – a case study
10:20 – 10:50	<u>Henrich H. Paradies</u> , Hendrik Reichelt, University of Salford, Manchester, United Kingdom	Dynamic properties of entangled wormlike cationic surfactants: double chained n-alkyldimethylammonium chlorides and hydroxides in aqueous solutions

### ***Coffee Break and Poster Viewing***

11:30 – 12:00	<u>Britta Jakobs</u> , Ulrike Fischer, Herbert Koch, Sasol Germany GmbH, Marl, Germany	New developments in soil release polymers
12:00 – 12:30	<u>Zahid Amjad</u> , Noveon Inc., Personal Care & Pharmaceutical, Brecksville, United States of America	Iron and manganese stabilization by polymers for aqueous systems
12:30 – 13:00	<u>Heidenfelder, Thomas</u> , BASF AG, Ludwigshafen, Germany	MGDA – The ultimate chelating agent for cleaning applications

### ***Lunch Break and Poster Viewing***

14:00 – 14:30	<u>Tommy Lykke Husum</u> <sup>1)</sup> , Petra Salzmänn <sup>2)</sup> , Anders Kristensen <sup>1)</sup> , Kirsten Jokumsen <sup>1)</sup> <sup>1)</sup> Novozymes A/S, Bagsvaerd, Denmark <sup>2)</sup> Novozymes Deutschland GmbH, Ingelheim, Germany	Go the mannaway – take your cleaning to a whole new level with a mannanase enzyme solution
14:30 – 15:00	<u>Oliver Spangenberg</u> <sup>1)</sup> , Quinta Westdijk <sup>1)</sup> , Pieter Augustinus <sup>1)</sup> , Ellen van Meerkerk <sup>1)</sup> , Corey Naab <sup>2)</sup> <sup>1)</sup> Genencor International B.V. Leiden, The Netherlands <sup>2)</sup> Genencor International Inc., Rochester, United States of America	Novel, superior protease beneficial for low-energy consumption washing
15:00 – 15:30	<u>Cord Meyer</u> , Beatrix Föllner, Jür- gen Bohnen,  , Krefeld	Biochemical bleaching
15:30 – 16:00	<u>Stephan Blöß</u> , Kronos International Inc., Leverkusen, Germany	Visible light photocatalysts based on titanium dioxide and their potential applications

### **Coffee Break and Poster Viewing**

16:30 – 17:00	<u>Maria Haase-Möllmann</u> , Gunther Duschek, Rudolf GmbH & Co. KG, Geretsried, Germany	Self assembling dendrimers as a new route to fluo- rine free hydrophobic finishes
17:00 – 17:30	<u>Victoria Dutschk</u> <sup>2)</sup> , Su Su Myat <sup>1)</sup> , Martin Stolz <sup>3)</sup> , Burkhard Breitzke <sup>3)</sup> , Jan Martin <sup>1)</sup> , Harald Brünig <sup>2)</sup> , Chokri Cherif <sup>1)</sup> , Gert Heinrich <sup>2)</sup> <sup>1)</sup> Institut für Textil- und Bek- leidungstechnik, Dresden, Ger- many <sup>2)</sup> Leibniz-Institut für Polymerfor- schung Dresden e.V., Germany <sup>3)</sup> Sasol Germany, Marl, Germany	The influence of different ether carboxylic acids on fibre friction and abrasion resistance of polyester fab- rics

**Session 6: Professional Textile Care (I)**

09:00 – 09:20	<u>Helmut Eigen</u> , Chemische Fabrik Kreussler, Wiesbaden, Germany	New saving potentials for washing working clothes
09:20 – 09:40	<u>Beatrix Föllner</u> , Christoph Damer, Jürgen Bohnen, <b>wfk</b> , Krefeld, Germany	Renewable soil release finishing of work wear with highly adhesive soilings
9:40 – 10:00	<u>Stephan Prinz</u> , Klopman GmbH, Ratingen, Germany	Today's production of polycotton fabrics for industrial washable garments under aspect of crease resistance
10:00 – 10:20	<u>Christian Vermote</u> , Barbara Harth, Olivier Mareau, Stefan Vautrin, Christeyns N.V., Gent, Belgium	Moving towards low temperature washing processes
10:20 – 10:40	<u>Hans Günter Hloch</u> , Jürgen Bohnen, <b>wfk</b> , Krefeld, Germany	Sustainability in industrial laundering
10:40 – 11:00	<u>Edward Rybicki</u> , Technical University of Lodz, Poland	The Leonardo da Vinci-project "development of training modules on the sustainability of commercial cleaning processes"

**Coffee Break and Poster Viewing**

11:30 – 11:50	<u>Sven Schöppe</u> , LEO System GmbH, Hamburg, Germany	Surgical textiles - draping and gowning systems for European hospitals – evaluation of safety, hygienic and economical aspects
11:50 – 12:10	<u>Frank Kolb</u> , W.L.Gore & Associates GmbH, Putzbrunn, Germany	Gore™ medical fabrics - responsibility within a complex value chain
12:10 – 12:25	<u>Jaap Hobbel</u> , Jensen GmbH, Harsum, Germany	MediLine: New developments in washing hospital textiles
12:25 – 12:40	<u>Andreas Langer</u> , Kannegiesser GmbH, Vlotho, Germany	Improved rinse methods with the PowerTrans batch washer technology
12:40 – 12:55	<u>Jaap Hobbel</u> , Jensen GmbH, Harsum, Germany	Rinse procedures in continuous batch washers

**Lunch Break and Poster Viewing**

14:00 – 14:20	<u>Henk Gooijer</u> , TKT, Ophemert, The Netherlands	Energy-efficient dewatering and drying
14:20 – 14:40	<u>Jürgen Schäfer</u> , Miele & Cie KG, Gütersloh, Germany	Sustainable tumble drying
14:40 – 14:55	<u>Michael Harre</u> , Kannegiesser GmbH, Vlotho, Germany	Stainless steel heating band technology - higher output, better quality and less energy consumption
14:55 – 15:15	<u>Dieter Ortner</u> , Böwe Textile Cleaning GmbH, Augsburg, Germany	Textile cleaning - an overview about used solvents and machine technique



15:15 – 15:35	<u>Manfred Huppertz</u> , Büfa Reinigungssysteme GmbH & Co. KG, Oldenburg, Germany	A new modular detergent system to secure a "premium dry cleaning quality" in perc and hydrocarbon solvents
15:35 – 15:55	<u>Kaspar D. Hasenclever</u> <sup>1)</sup> , Jürgen Karthäuser <sup>2)</sup> , <sup>1)</sup> Chemische Fabrik Kreussler & Co. GmbH, Wiesbaden, Germany <sup>2)</sup> Fred Butler, Frankfurt, Germany	Alternative textile cleaning – state of the art with the combination liquid CO <sub>2</sub> /wet cleaning

**Coffee Break and Poster Viewing**

16:30 – 16:50	<u>Jörg Schwerdtfeger</u> , Büfa Reinigungssysteme GmbH & Co. KG, Oldenburg, Germany	Hygienic wet cleaning; presentation of a new two-component system for the hygienic wet cleaning of delicate garment at 40 °C
16:50 – 17:10	<u>Walther A. den Otter</u> <sup>1)</sup> , Foppe B. de Walle <sup>2)</sup> <sup>1)</sup> Phas Beheer B.V., Vlaardingen, The Netherlands <sup>2)</sup> Promikron B.V., Delft, The Netherlands	Advances in cleaning with LCO <sub>2</sub> technology
17:10 - 17:30	<u>Harry R. Motson</u> <sup>1)</sup> , Joachim Karthäuser <sup>2)</sup> <sup>1)</sup> Uniquema, Wilton, Great Britain <sup>2)</sup> Fred Butler, Frankfurt, Germany	Detergents for liquid CO <sub>2</sub> dry cleaning - from concept to reality
17:30 – 17:45	<u>Beatrix Föllner</u> , Georg Rohm, Jürgen Bohnen, <u>wfk</u> , Krefeld, Germany	Cleaning of clean room textiles with liquid carbon dioxide and modifiers

Thursday, April 26<sup>th</sup>, 2007

**Session 7: Professional Textile Care (II)**



**intex – Technischer Kongress/Technical Congress**

09:00	Klaus Jahn, Industrieverband Textil Service – intex, Eschborn	Begrüßung <i>Opening</i>
09:05 – 09:20	Andreas Schumacher, Industrieverband Textil Service – intex, Eschborn	Aktuelle Markteinsichten – Rosige Zeiten für den Textil Service? <i>Current market insights – bright prospects for textile service?</i>
09:25 – 09:40	Volker Kamm, KammMalberg Consulting, Hamburg	Anforderungen an den Dienstleister – neue Chancen und Risiken? <i>Requirements for textile service providers – new chances and risks?</i>
<b>09:45 – 11:10</b>	<b>Innovative Funktionen von Textilien – eine Herausforderung für den Textil Service?</b> <i>Innovative textile functions – a challenge for textile service?</i> <b>Moderation/Chairman: Ulrich Kuntze, Kuntze &amp; Burgheim Textilpflege, Hannover</b>	
09:55 – 10:10	Christian Vogel, Sächsisches Textilforschungsinstitut, Chemnitz	Beurteilen des elektrostatischen Verhaltens von Persönlicher Schutzausrüstung <i>Evaluating the electrostatic behaviour of personal protective clothing</i>
10:15 – 10:30	Siegfried Görig, HB Schutzbekleidung, Thalhausen	Entwicklungen bei der Herstellung von Reinraum-, ESD (Electro Static Discharge) – und antistatischer Bekleidung <i>Developments regarding the manufacturing of clean room, ESD and antistatic clothing</i>
10:35 – 10:50	Dr. Harald Lutz, CHT R. Beitlich, Tübingen	Sicherstellen von permanenter Waschbeständigkeit antimikrobieller Ausrüstungen <i>Ensuring the permanent washing fastness of antimicrobial finishings</i>
10:55 – 11:10	Dr. Klaus-Dieter Zastrow, Vivantes-Klinikum Spandau, Berlin	Einschätzen antimikrobieller Ausrüstungen aus hygienischer Sicht <i>Assessment of antimicrobial finishings from a hygienic point of view</i>

***Kaffeepause/Coffee Break and Poster Viewing***

<b>11:30 – 12:50</b>	<b>Wird Logistik zum entscheidenden Erfolgsfaktor in den nächsten 5 Jahren?</b> <i>Will logistics become a crucial success factor within the next 5 years?</i> <b>Moderation: Jürg Depierraz, Verband Textilpflege Schweiz, Bern</b>	
11:40 – 12:00	Lukas Schönberger, Bundesverband Materialwirtschaft, Einkauf und Logistik (BME), Frankfurt	Wachstumsmotor Logistik – Wohin geht die Fahrt? <i>Driving force logistics – where does the journey go to?</i>

12:05 – 12:25	Frank Marquard, Meyer & Meyer Internationale Spediteure	Textil-Logistik: Outsourcing als innovativer Full-Service <i>Textile logistics: outsourcing as an innovative full-service</i>
12:30 – 12:50	Peter Langkafel, Unternehmensberatung Peter Langkafel, Liebenburg	Effiziente Tourenplanung – Kommt mein Fahrer auch zurück? <i>Efficient tour planning – will my driver come back?</i>

### Mittagspause/Lunch Break and Poster Viewing

<b>14:00 – 14:55</b>	<b>Optimieren von Betriebsabläufen</b> <i>Optimising operation's flow</i> <b>Moderation: Johannes Wittenbrink, WIDI-Wirtschaftsdienste Hellersen, Lüdenscheid</b>	
14:10 – 14:25	Dr. Lutz Vossebein, wfk-Forschungsinstitut für Reinigungstechnologie, Krefeld	Qualitätsmanagementsysteme – Wo liegt der Mehrwert? <i>Quality management systems – what is the added value?</i>
14:30 – 14:45	Katharina Meyersrenken, Versteegen Assekuranz Versicherungsmakler, Bonn	Versicherungsmanagement – Was bedeutet effektives Risikomanagement? <i>Insurance management – what does effective risk management mean?</i>
14:50 – 15:05	Norbert Schneider, Textil- u. Bekleidungs-Berufsgenossenschaft, Mönchengladbach	Arbeitsschutzmanagement – Was kann präventiv getan werden? <i>Occupational safety and health management – preventative measures</i>
<b>15:05 – 17:00</b>	<b>Wertvolle Technologien oder teure Spielereien?</b> <i>Invaluable technologies or expensive gimmicks?</i> <b>Moderation/Chairman: Magnus Lutz, MNI Partners, Freiburg im Breisgau</b>	
15:15 – 15:30	Dr. Klaus Ackerstaff, Datamars, Lugano, Italien	RFID bulk reading – Wo liegen die Vorteile? <i>Advantages of RFID bulk reading</i>
15:35 – 15:50	Rudolf Behrens, GS1 Germany, Köln	Bedeutung globaler Standards für Multi-Read-Technologien in der Textil- und Bekleidungsindustrie <i>Importance of global standards for multi read technologies in the textile and clothing industry</i>

### Kaffeepause/Coffee Break and Poster Viewing

16:10 – 16:25	Christian Roth, Ecolab, Düsseldorf	Welche Lösungen bietet die Waschmittelindustrie? <i>Solutions offered by the detergent industry</i>
16:30 – 16:45	Dr. Helmut Eigen, Industrieverband Hygiene und Oberflächenschutz für industrielle und institutionelle Anwendung (IHO), Frankfurt	Welche Auswirkungen hat REACH? <i>REACH and the consequences</i>
16:45 – 17:00	Klaus Jahn, Industrieverband Textil Service – intex, Eschborn	Diskussion, Abschluss-Statement, Verabschiedung <i>Discussion, conclusions, farewell</i>

### **Session 8: Hard Surface Cleaning**

09:00 – 09:20	<u>Carsten Johnigk</u> , Lehrstuhl für Lasertechnik, RWTH Aachen, Germany	Cleaning of technical surfaces with laser radiation <i>Reinigen technischer Oberflächen mit Laserstrahlung</i>
09:20 – 09:40	<u>Klaus-Martin Baumgärtner</u> , Muegge Electronic GmbH, Reichelsheim, Germany	Microwave plasma sources for industrial surface technology <i>Mikrowellen-Plasmaquellen für die industrielle Oberflächentechnologie</i>
09:40 – 10:00	<u>Dietmar Pfennig</u> , Pfennig Reinigungstechnik GmbH, Durach, Germany	Cleaning and disinfecting procedures under consideration of different clean room classes <i>Reinigungs- und Desinfektionsprozesse unter Berücksichtigung verschiedener Reinraumklassen</i>
10:00 – 10:20	<u>Axel H. Schroeder</u> , Basan GmbH, Kriftel, Germany	Cleaning and disinfecting in the clean room production – basics of surface disinfecting <i>Reinigung und Desinfektion in der Reinraumproduktion – Grundlagen der Oberflächendesinfektion</i>
10:20 – 10:40	<u>Hans Günter Hloch</u> , Christian Brüx, Tamara Neumann, Lars Schrubke, <b>WFk</b> , Krefeld, Germany	Clean room cleaning <i>Reinraumreinigung</i>
10:40 – 11:00	<u>Andress Johnson</u> , Joseph Ramos, Stephen Minter, Ciba Specialty Chemicals Corp., United States of America	The use of soil management polymers in wipes to improve overall cleaning performance <i>Der Einsatz von Soil-Management-Polymeren in Reinigungstüchern zur Verbesserung der Reinigungswirkung</i>

### ***Coffee Break and Poster Viewing***

11:30 – 11:50	<u>Enzo Dario Sforza</u> , Ecolab GmbH & Co. OHG, Düsseldorf, Germany	The Ecolab twister system: a new world in floor cleaning <i>Das Ecolab-Twister-System: eine neue Welt in der Bodenreinigung</i>
11:50 – 12:10	<u>Wolfgang Rauwald</u> , Charlott-Produkte GmbH, Frankfurt, Germany	New developments in industrial carpet cleaning <i>Neue Entwicklungen in der industriellen Teppichreinigung</i>
12:10 – 12:30	<u>Andrew Caddick</u> <sup>1)</sup> , Katharina Burgmaier <sup>2)</sup> , <sup>1)</sup> Nilfisk Alto, Entzheim, France, <sup>2)</sup> Nilfisk Alto, Bellenberg, Germany	How future high pressure washer development targets a reduction in cleaning costs and improved earnings for users <i>Ziele zukünftiger Entwicklungen in der Hochdruckreinigung: Verringerung der Reinigungskosten und verbesserter Ertrag für die Anwender</i>
12:30 – 12:50	<u>Peter Remmerswaal</u> , Onno Eiggemann, AquaHit BV, Oudenbosch, The Netherlands	Ice blasting: ice uncovers beauty <i>Eisstrahl-Reinigung</i>
12:50 – 13:10	<u>Birgit Papcke</u> , Heidi Heinze, Drylce Solutions GmbH, Taufkirchen, Germany	Dry ice cleaning <i>Trockeneisreinigung</i>

### Lunch Break and Poster Viewing

14:00 – 14:20	<u>Jörg Zylla</u> , Werner & Mertz GmbH, Mainz, Germany	Walking – a complex process: measuring slip resistance; problems and possible solutions <i>Gehen – ein komplexer Prozess: Messung der Trittsicherheit; Probleme und mögliche Lösungen</i>
14:20 – 14:40	<u>Tamara Neumann</u> , Jürgen Bohnen, wfk, Krefeld, Germany	Mobile method for the determination of slip resistance <i>Mobiles Verfahren zur Bestimmung der Trittsicherheit</i>
14:40 – 15:00	<u>Hedwig Reger</u> , Werner Ziegelmeier, Christian Lindner, Bernd Mannheim, Deutsche Steinzeug Cremer & Breuer AG, Bonn, Germany	Wall- and floor-tiles with installed cleanliness <i>Wand- und Bodenfliesen mit integrierter Sauberkeit</i>
15:00 – 15:20	<u>Christoph Troska</u> , Pilkington Deutschland AG, Gladbeck, Germany	Experiences with Pilkington Activ–self cleaning glass <i>Erfahrungen mit Pilkington Activ-Selbstreinigungsglas</i>
15:20 – 15:40	<u>Hans Andreas Fath</u> , Hans Grohe AG, Schiltach, Germany	Applications and impact of nanotechnology in sanitary industry <i>Anwendungen und Einfluss der Nanotechnologie in der Sanitärindustrie</i>
15:40 – 16:00	<u>Thomas Agné</u> , Villeroy & Boch AG, Mettlach, Germany	Sanitary ware with easy cleaning and/or antibacterial properties <i>Sanitäre Oberflächen mit "Easy Cleaning" und/oder antibakteriellen Eigenschaften</i>

### Coffee Break and Poster Viewing

16:30 – 16:50	<u>Markus Rochowicz</u> , Fraunhofer-Institut für Produktionstechnik und Automatisierung, Stuttgart, Germany	Contamination control techniques on surfaces <i>Techniken zur Kontaminationskontrolle auf Oberflächen</i>
16:50 – 17:10	<u>Günther Schmauz</u> , Fraunhofer-Institut für Produktionstechnik und Automatisierung, Stuttgart, Germany	Automated in-situ detection of bio-contamination <i>Automatisierte in-situ Detektion der Biokontamination</i>
17:10 – 17:30	<u>Steffen Schmidt</u> , University of Applied Sciences, Krefeld, Germany	Evaluation of cleaning quality – comparative assessments of 2 pda-based evaluation methods <i>Beurteilung der Reinigungsqualität – vergleichende Bewertung zweier PDA-basierter Methoden</i>

**Thursday, April 26<sup>th</sup>, 2007**

**Session 9: 3. Kolloquium „Medizinische Instrumente“**  
**- Aufbereitung, Werterhalt, Wiederverwendung -**

*3<sup>rd</sup> Colloquium "Medical Instruments"*  
*- Reprocessing, Maintenance, Reuse -*

**Chirurgische Instrumente/Surgical Instruments**

**Vorsitz/Chairman: Dr. Holger Biering**

09:00 – 10:00	<u>Prof. Dr. Heike Martiny</u> , Charité, Berlin	Entwicklungsstand der EN ISO 15883 <i>Current state of EN ISO 15883</i>
10:00 – 10:30	<u>Dr. Winfried Michels</u> , Miele & Cie. KG, Gütersloh	Prüfanschmutzungen für chirurgische Instrumente <i>Test soillings for surgical instruments</i>
10:30 – 11:00	<u>Klaus Roth</u> , SMP GmbH, Tübingen	Leistungsprüfung der Reinigung mit definiert angeschmutzten Prüfinstrumenten - Durchführung und Praxiserfahrung <i>Cleaning performance testing with artificially soiled test instruments – conducting and practical experience</i>

***Kaffeepause/Coffee Break***

11:30 – 12:00	<u>Martin Hanse-Blum</u> , Instruclean GmbH, Duisburg	Validierung von Realinstrumenten <i>Validation of real instruments</i>
12:00 – 12:30	<u>Robert Eibl</u> , MMM Münchener Medizin Mechanik GmbH, Stadlern	Praktische Erfahrung mit der technischen Routinekontrolle von RDG <i>Practical experience with the technical routine control of cleaning and disinfecting units</i>
12:30 – 13:00	<u>Verona Schmidt</u> , Chemische Fabrik Dr. Weigert GmbH, Hamburg	Potenziale eines alkalischen Reinigers bei der Aufbereitung von Medizinprodukten <i>Potentials of an alkaline cleaner in medical device reprocessing</i>

***Mittagessen/Lunch Break***

**Endoskope/Endoscopes**

**Vorsitz/Chairman: Dr. Winfried Michels**

14:00 – 15:00	<u>Ulrike Beilenhoff</u> <sup>1)</sup> , Holger Biering <sup>2)</sup> , Reinhard Blum <sup>3)</sup> , Verona Schmidt <sup>4)</sup> <sup>1)</sup> DEGEA Präsidentin, Ulm <sup>2)</sup> Ecolab GmbH, Düsseldorf <sup>3)</sup> Olympus GmbH, Hamburg <sup>4)</sup> Chemische Fabrik Dr. Weigert GmbH, Hamburg	Validierung von maschinellen Prozessen zur Endoskop-Aufbereitung - Vorstellung der Leitlinie der "Europäischen Gesellschaft für Gastrointestinale Endoskope" (ESGE) <i>Validation of automatic processes for endoscope reprocessing – presentation of the guideline of the European Society of Gastrointestinal Endoscopy (ESGE)</i>
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**Aufbereitung von Einweginstrumenten/Reprocessing of Disposable Medical Devices****Vorsitz/Chairman: Dr. Lutz Vossebein**

15:00 – 15:30	<u>Gerda Fecht</u> , Remed GmbH, Friedeburg	Qualitätsgesicherte Aufbereitung von Einmal-Medizinprodukten: Anforderungen, Möglichkeiten und Grenzen <i>Quality assured reprocessing of disposable medical devices: requirements, opportunities and limits</i>
15:30 – 16:00	<u>Dr. Hans Haindl</u> , Wennigsen	Untersuchungen an aufbereiteten Einmal-Medizinprodukten <i>Investigations on reprocessed disposable medical devices</i>

## Poster Presentations

**Posters will be presented in front of the conference rooms**

1	<p><u>Victoria Dutschk</u><sup>2)</sup>, Su Su Myat<sup>1)</sup>, Harald Brünig<sup>2)</sup>, Jan Martin<sup>1)</sup>, Martin Stolz<sup>3)</sup>, Burkhard Breitzke<sup>3)</sup>, Chokri Cherif<sup>1)</sup>, Gert Heinrich<sup>2)</sup></p> <p><sup>1)</sup>Institut für Textil- und Bekleidungstechnik, Dresden, Germany  <sup>2)</sup>Leibniz-Institut für Polymerforschung Dresden e.V., Germany  <sup>3)</sup>Sasol Germany, Marl, Germany</p>	Friction of polyester yarns modified with spin finishes during the melt-spinning process
2	<p><u>Victoria Dutschk</u><sup>2)</sup>, Su Su Myat<sup>1)</sup>, Jan Martin<sup>1)</sup>, Martin Stolz<sup>3)</sup>, Burkhard Breitzke<sup>3)</sup>, Chokri Cherif<sup>1)</sup>, Gert Heinrich<sup>2)</sup></p> <p><sup>1)</sup>Institut für Textil- und Bekleidungstechnik, Dresden, Germany  <sup>2)</sup>Leibniz-Institut für Polymerforschung Dresden e.V., Germany  <sup>3)</sup>Sasol Germany, Marl, Germany</p>	A comparative analysis between different spin finishes with respect to wettability and surface topography of polyester fabrics mechanically treated by abrasion
3	<p><u>Hanna Riitta Kymäläinen</u>, University of Helsinki, Dept. of Agrotechnology, Finland</p>	Washing efficiency of a laboratory washing device (Launder-O-meter)
4	<p><u>Sabina Fijan</u>, Sonja Sostar Turk, University of Maribor, Faculty of Mechanical Engineering, Slovenia</p>	Determining the disinfection effect of laundering procedures for hospital textiles using different indicator bacteria
5	<p><u>Eija Pesonen-Leinonen</u>, SSM Oy Helsinki Business and Science Park, Finland</p>	Assessment of cleanliness – from visual techniques to radiochemical techniques
6	<p>Chung Haewon<sup>1)</sup>, Sa Mi-hyun<sup>2)</sup>,  <sup>1)</sup>Inha University, Incheon, Korea  <sup>2)</sup>Samsung Electronics, Suwon, Korea</p>	Tactile properties of cotton fabrics rinsed with a drum type washing machine
7	<p><u>Beatrix Föllner</u><sup>1)</sup>, Jürgen Bohnen<sup>1)</sup>, Carola Schäfer<sup>2)</sup>, Martin Möller<sup>2)</sup>  <sup>1)</sup>wfk, Krefeld, Germany  <sup>2)</sup>DWI, Aachen, Germany</p>	Renewable finishings for the protection of fluorescent dyes in high-visibility warning clothing and rain resistant high-visibility warning clothing (EN 471 and EN 343) against UV-radiation
8	<p><u>Beatrix Föllner</u>, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of an electrochemical low temperature process for the effective and economical bleaching and disinfection of textiles during reprocessing
9	<p><u>Beatrix Föllner</u>, Cord Meyer, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of reprocessing methods for the renewal of the conductive properties of protective clothing for clean room areas and industrial explosion controlled areas by temporary conductive finishings
10	<p><u>Hans Günter Hloch</u>, Christian Brück, Lars Schrubke, Tamara Neumann, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Water based ice-blast cleaning process for heavily soiled hard surfaces in industrial, commercial and public areas
11	<p><u>Hans G. Hloch</u>, Lutz Vossebein, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of safely disinfecting finish processes



12	<p><u>Hans G. Hloch</u><sup>1)</sup>, Tamara Neumann<sup>1)</sup>, Jürgen Bohnen<sup>1)</sup>, Reinhart Poprawe<sup>2)</sup>, Konrad Wissenbach<sup>2)</sup>, Carsten Johnigk<sup>2)</sup>, Gilbert Vitr<sup>2)</sup>, Matthias Langer<sup>3)</sup>, Michael Stoll<sup>3)</sup></p> <p>wfk<sup>1)</sup>, Krefeld, Germany, LLT<sup>2)</sup>, Aachen, Germany FILK<sup>3)</sup>, Freiberg, Germany</p>	Development of an effective and economical laser-cleaning process to remove temporary floor care products
13	<p><u>Hans G. Hloch</u>, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of training modules on the sustainability of commercial cleaning processes
14	<p><u>Tamara Neumann</u>, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of a mobile disinfection method for hygienically demanding clean room surfaces based on an atmospheric plasma
15	<p><u>Tamara Neumann</u>, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of a mobile plasma cleaning method for facades
16	<p><u>Tamara Neumann</u>, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of renewable conductive coatings for conductive floorings
17	<p><u>Lutz Vossebein</u><sup>1)</sup>, Markus Wehr<sup>1)</sup>, Jürgen Bohnen<sup>1)</sup>, Dirk Lange<sup>2)</sup></p> <p><sup>1)</sup>wfk, Krefeld, Germany <sup>2)</sup>University of Applied Sciences, Krefeld, Germany</p>	Hygiene für health - optimising the reprocessing of medical instruments
18	<p><u>Lutz Vossebein</u><sup>1)</sup>, Carola Roskam<sup>1)</sup>, Georg Rohm<sup>1)</sup>, Jürgen Bohnen<sup>1)</sup>, Michaela Würtz<sup>2)</sup></p> <p><sup>1)</sup>wfk, Krefeld, Germany <sup>2)</sup>PFI, Pirmasens, Germany</p>	Development of a disinfecting carbon dioxide cleaning process for sensitive materials using shoes for hygienically demanding fields as an example and of a commercially reprocessable model of a work shoe
19	<p><u>Lutz Vossebein</u>, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of user friendly biomonitors for the validation of disinfecting laundering processes within self control systems
20	<p><u>Lutz Vossebein</u>, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of a PCR based high-speed method for proof and documentation of an appropriate surface cleaning and disinfection in accordance with the new RKI guideline
21	<p><u>Lutz Vossebein</u>, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of an environmentally friendly, biological pre-cleaning process for textiles which are heavily soiled with industrial soil using bacteria
22	<p><u>Lutz Vossebein</u>, Tamara Neumann, Jürgen Bohnen, wfk, Krefeld, Germany</p>	Development of a process for the temporary coating of elastic floorings based on modified photocatalytic metal oxides for improving the sustainability of cleaning and disinfection
23	<p><u>Lutz Vossebein</u>, wfk, Krefeld, Germany</p>	Rapid-response method for the detection of pathogenic germs within self control systems
24		wfk facilities

## Location

The conference will be held at the Hilton Hotel, Düsseldorf, Germany.

**Address: Hilton, Georg-Glock-Strasse 20, D-40474 Düsseldorf, Germany**

It is close to the centre of Düsseldorf and the airport. There is an excellent connection to the city centre by tram or bus.

## Accommodation

Please fill in the attached application form for Hilton Hotel by **using the reservation code IDC07** and **send it directly to the hotel**.

The Welcome Party will take place at the Hilton Düsseldorf on April 23<sup>rd</sup>, 2007, starting at 6 p.m..

Hotel prices are as follows (in Euro, including taxes and service charge, excluding breakfast).

Hotel	Single	double
Hilton Düsseldorf	174	194

The availability of a large number of rooms is guaranteed through Hilton Hotel until March 12<sup>th</sup>, 2007. Please make sure that your room reservation is done in time.

## Social Events

### Welcome Party (free for registered full conference participants)

Meet your friends or find new friends having a drink and a snack on April 23<sup>rd</sup> starting at 6 p.m. at the **Hilton Düsseldorf** (ends around 8 p.m.).

### Variety theatre show and dinner on April 25<sup>th</sup>

Enjoy a three-course-dinner during fascinating entertainment at the Roncalli's Apollo Variety Theatre on April 25<sup>th</sup> (regarding the costs see registration form). Buses will leave the Hilton hotel around 6.30 p.m. and will be back before midnight (see further announcement with the conference documents).

### City Tours and Other Sight-Seeing Tours

may be arranged by Marketing & Tourismus GmbH, Der neue Stahlhof, Breite Strasse 69, D-40213 Düsseldorf, Germany, ☎ +49-211-172020, [www.duesseldorf-tourismus.de](http://www.duesseldorf-tourismus.de).

### Weather

Springtime weather in Western Europe normally is fine with temperatures around 20° C (68 F). Being close to the Atlantic, however, weather may change suddenly, so take your umbrella and a light coat with you. We hope you do not need them.

### Clothing

Smart casual or business dress for the conference, smart casual dress for the social events.

## How to get to Düsseldorf

Düsseldorf is easily accessible by plane, train and car.

By plane: Airport „Düsseldorf International“, which offers a lot of direct international connections (5 minutes by taxi to Hilton Düsseldorf).

By train: There are regular services to and from all main European cities (5 minutes by taxi from Main Station to Hilton Düsseldorf).

By car: Excellent motorway links: has direct connections to the excellent German motorway nets (3 minutes by car from Hilton Düsseldorf to the main motorways).

## Conference Language

The conference languages will be English or German. A simultaneous translation will be provided.

## How to register

Please use one of the following methods:

- **Fax:** Please send completed registration form to: +49-2151-8210-199
- **Mail:** Please send completed registration form to **wfk-Forschungsinstitut für Reinigungstechnologie e.V.**, Campus Fichtenhain 11, D-47807 Krefeld
- **E-Mail:** Please use the registration form on our home page: [www.wfk.de/tagungen](http://www.wfk.de/tagungen)

Registration includes all meals and refreshment drinks during the breaks listed with the respective sessions as well as viewing the poster sessions.

Registrations are not official and complete until receipt of your application form **and** payment of the conference fee. Confirmation of payment will be sent to you by **wfk**. Cancellation received prior March 10<sup>th</sup>, 2007 will be refunded in full except for a € 75,- processing fee. Afterwards no refunding is possible.

**Conference passes are not transferable.** ID may be controlled by security service staff.

In case of illness substitution of registrants is possible, but notice has to be given to **wfk**.

**Registration Deadline for Enclosure in the List of Participants: April 10<sup>th</sup>, 2007**

**On-Site Registration: On site at the counter at the Hilton , April 23<sup>rd</sup>: 4 p.m. – 6 p.m., April 24<sup>th</sup> and April 25<sup>th</sup>: 8 a.m. – 4 p.m., April 26<sup>th</sup>: 8 a.m. – 2 p.m..**

<b>Registration Fees in EURO:</b>	<b>Registration by March 12<sup>th</sup></b>	<b>Registration after March 12<sup>th</sup></b>
<b>Full Conference</b>	<b>550</b>	<b>600</b>
<b>Daily Fee</b> <input type="checkbox"/> April 24 <sup>th</sup> <input type="checkbox"/> April 25 <sup>th</sup> <input type="checkbox"/> April 26 <sup>th</sup> (please tick)	<b>200</b>	<b>250</b>
<b>intex Technical Congress, 26. April,</b> (included in the full conference fee and fee for the 26 <sup>th</sup> )	<b>150</b>	<b>200</b>
<b>3. Kolloquium "Medizinische Instrumente", 26. April,</b> (included in the full conference fee and fee for the 26 <sup>th</sup> )	<b>150</b>	<b>200</b>
<b>Students with a valid student card</b>	<b>50</b>	<b>100</b>
<b>Full Conference Proceedings</b> (incl. 3. Kolloquium "Medizinische Instrumente")	<b>100</b>	<b>100</b>
<b>Proceedings</b>	<b>25</b>	<b>25</b>
<b>Dinner and Show "Roncalli's Apollo Varieté" on April 25<sup>th</sup></b> (Price per person, beverages not included)	<b>100</b>	<b>150</b>
<b>Limited space: Booking on a first come first served basis</b>		
<b>Welcome Party in the evening of April 23<sup>rd</sup></b> (included in the full conference pass)	<b>35</b>	<b>35</b>

**Members of wfk-Institute, intex Association or FRT** receive a **10 per cent discount** on the quoted prices (excluded from this is the event on the evening of 25<sup>th</sup> April)/

# Anfahrtskizze / Map to the Hilton Dusseldorf

