

haptique

1. International Haptique Forum

29th – 30th October 2013, Besançon
with accompanying exhibition

FEMTO-ST

École Nationale Supérieure
de Mécanique et des
Microtechniques

26, rue de L'Épitaphe
Besançon

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1st International Haptique Forum
29th – 30th October 2013, Besançon, France

Discover the opportunities touch haptics offers to you!!

Haptic impressions are extremely important – not only tactile sensations. It is important to think of the quality we want to give and the feelings we want to rouse in our customers. For example, if someone walks on a soft floor he subconsciously develops a feeling of recreation and well-being. To describe that feeling in objective terms, we need descriptors that should be correlated with the progress of physical parameters to make measurement of the perceived quality of a material by its haptic properties possible.

Satisfying the perceived haptic quality anchored in the product context is an important feature in making buying decisions.

Actions improving the quality and securing the way quality is perceived with lasting effect extend throughout the genesis of a product.

Perceived quality is a feeling in the customer whether and to what degree a product confirms his expectations. Our speakers will present and discuss new findings and product innovations in this thrilling field.

The 1st International Haptique Forum will be a place for discussions with speakers and participants, dialogues with peers in the industry and provide place and time for the exchange of views in a stylish ambience.

We look forward to your registration.

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New developments – Programme

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CHAIR

Guy Monteil Phd
Professor des études ITII
École Nationale Supérieure de
Mécanique et des Microtechniques –
FEMTO-ST, France



12.12.1956 born in Caudebec les Elbeuf, Normandy, France | 1981 Engineer from the Institute of Chemistry of Besançon | 1987 PhD in material's science at the University of Franche-Comté Besançon | 1985-2000 Research and Development engineer at PSA Peugeot Citroen | 2000 joined the ENSMM, National Engineering School of Mechanics and Microtechnics of Besançon as Professor | 2002 Head of the Laboratory of Microanalysis of Surfaces | 2011 Head of the Mechanical department of the Laboratory FEMTO-ST Besançon.

Since 2000 Research in the field of surface science focused on tribology, physic chemistry of surfaces and sensorial description through instrumentation to objectivate touch and visual haptics.

Dr.-Ing. Hans-Jürgen Daams
Ziegler-Instruments GmbH, Germany



28.01.1953 born in Cologne, Germany | 1980 diploma in physics at the Technical University of Aachen (RWTH) | 1985 Phd in mechanical engineering at the Technical University of Aachen (RWTH) | 1985-1990 sales engineer and then international sales manager for laser interferometers for machine tools calibration | 1990 change to Ziegler-Instruments as international sales manager for vibration and sound equipment | 1995 managing director and CEO of Ziegler-Instruments based on a managment buyout.

ZINS is specialized in the touch haptics of materials and the bite haptics of food. **Haptic perception** is the term used to denote the active feeling of materials. These are materials which we feel with our hands or food we bite. Haptic is a part of the wider area of **perceived quality**. The **perceived quality** is influenced by all senses we have.

Preliminary agenda for the Haptique Forum
Opening by Guy Monteil

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Tuesday, 29th October 2013

09:15h
Conference Opening
(Bernard Cretin, Director ENSMM/
Guy Monteil, FEMTO-ST)

Session 1 (09:30h – 12:30h) Touch haptics metrology

09:30h – 10:00h
Sensorial comparison of touch feelings
using the “Touch feel”-Box correlation
with instruments results
(Setha Mith, ExpertiSens, France)

10:00h
Coffee break

11:00h – 11:30h
Metrology instrumentation for objective
measurement of touch haptic quality
(Dr. H. J. Daams, ZINS, Germany)

11:30h – 12:00h
Measurement of touch feelings for textiles
(Marie-Ange Bueno, ENSISA, Mulhouse,
France)

12:00h – 14:00h
Lunch, networking

Session 2 (14:00h – 16:00h) Materials touch haptics

14:00h – 14:30h
Development of a method for correlating
human and sensorial evaluation of leather
and artificial leather in automotive interior
(Dr. Andrea Stoll, Filk, Germany)

14:30h – 15:00h
Design and sensorial properties of plastics
(Gilles Gauthier, Materiautech, Lyon, France)

15:00h – 15:30h
Special requirements of laminated leather
and leatherette
(Josef Schmitt, BMW, Germany)

15:30h
Coffee, networking, remarks

Session 3 (16:30h – 17:00h) Sensorial design

16:30 – 17:00
Materials and human perception
(Jenny Faucheu, ENSM, Saint-Etienne, France)

Wednesday, 30th October 2013

9:00 Summery

Session 4 (9:15h – 12:30h) Sensorial design in product perceptions

09:15h – 09:45h
Designing and measuring the vehicle cockpit
quality perception
(Cristina Randazzo, CRF, Italy)

09:45h – 10:15h
Improvement of touch-sensorial comfort
of vehicle-interior materials
(Dr. Andrea Stoll, Filk, Germany)

10:15h
Coffee break

11:15h – 11:45h
Measurement of the aspect of luxury goods
(Christophe Dufresne, Optec Industries, France)

Session 5 (11:45h – 12:30h) Future of sensorial design and metrology

11:45h – 12:15h
Future electronic generation of touch sensations
(Frédéric Giraud, Polytech, Lille, France)

12:15
Closing remarks
(Guy Monteil)

12:30
Lunch, networking

Subject to alterations
Lecture language: english

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VENUE

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FEE

350,00 € + Tax
(Industry delegates)
250,00 € + Tax
(Academic delegates)
50,00 € + Tax
(Students without dinner
on tuesday)

EXHIBITOR

880,00 € + Tax
1 free delegate

REGISTRATION AND FURTHER DETAILS

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