

Call for abstracts

Flamac is pleased to invite participants to submit abstracts for **hot-slot lectures** and **poster presentations** at the workshop: "Speeding up the development of complex formulations."

The DEADLINE for abstract presentation submission is August 31, 2009. Abstracts received after the deadline will not be accepted.

Please send your abstract to ivo.vanhauthem@flamac.be and clearly state the author and contact details. Flamac will review abstracts and information regarding acceptance and scheduling will be sent to the corresponding author. If you wish to amend an abstract after submission please contact ivo.vanhauthem@flamac.be.

Registration

Please complete the registration form (www.flamac.be) and return it to Flanders Materials Centre (Flamac), Krista Picard, Technologiepark 903, 9052 Zwijnaarde. You can also send a scanned registration form to krista.picard@flamac.be or send it by fax: +32(0)9 264 58 12

Registration fees

	EARLY Before August 31	LATE After August 31
- Industry and Research centers	350 EUR	400 EUR
- Academia	250 EUR	300 EUR
- Maximum 30 participants for hands-on case study	25 EUR	25 EUR

Registration includes

- Workshop program
- Book of abstracts
- Refreshments
- Lunch on Tuesday and Wednesday 29, 30 September
- Drink on Tuesday afternoon
- One ticket for a guided tour in Ghent on Tuesday evening 29 September. Additional tickets for the social event can be reserved (10 EUR / ticket)
- Dinner on Tuesday evening

Cancellation Policy

Refund of registration fees will be made as followed:

- Faxed, electronically mailed or post marked
- Prior to August 31 2009, full refund less 50 EUR handling fees
- From August 31 2009, no refund

Questions / Remarks

Ivo Van Hauthem
Flamac, Technologiepark 903, 9052 Zwijnaarde, Belgium
Tel: +32(0)9 264 57 13
Email: ivovanhauthem@flamac.be

Location of the workshop

NH Ghent Belfort, Hoogpoort 63, 9000 Gent

By car

From Brussels and Ostend via the A10 (E40) or from Antwerp via the A14 (E17). Take the exit 'Gent Centrum'. Follow signs for Parking Vrijdagsmarkt P1, take the 3rd street on the roundabout. Now, you follow the Belfortstraat. The hotel is located on your right side. The hotel's entrance is opposite the Town Hall; the car park is located at the back of the hotel. (Onderstraat).



By train

When arriving at Sint-Pieters-Station Ghent you can take a cab or take a tram (line 1). After approximately 10 minutes you will arrive in the city center.



Flamac Workshop:

NH Ghent Belfort
Hoogpoort 63
9000 Gent
BELGIUM

FLAMAC workshop
September 29-30, 2009



Speeding up the
development of
complex formulations



Dear colleagues,

Flamac has the pleasure of inviting you to participate in the fourth international workshop on Combinatorial Materials Research. This workshop will focus on the following topic: **“Speeding up the development of complex formulations.”**

Modern complex formulations can easily consist of more than 10 components and several process steps. High-throughput and combinatorial methods offer an efficient tool to vary these different components in order to optimize application properties. Consequently the interest in high-throughput and combinatorial research in the development laboratories of complex formulations is increasing fast.

In addition to the invited lectures, there will be a number of hot-slot lectures, poster presentations and presentations of suppliers of HTE equipment.

We hope this will be the occasion to meet you in Ghent, one of Flanders most historic, architectural and charming cities.

Dr. Johan Paul

HIGH-THROUGHPUT FORMULATION RESEARCH

High-throughput technologies are widely recognized in the field of materials research. By implementing parallel or fast sequential experiments completely automated and on a small scale it is possible to perform a large number of experiments in a short period of time within a pre-designed experimental area. In this way it is possible to determine very fast different interesting materials with specific characteristics. These materials can be in a next stage further developed to new product-innovations.

Because of numerous reasons high-throughput methodologies are very suitable for complex formulations. Typically these formulations consist of 10 or more different active components. The choice as well as the concentration of these components need to be optimized depending on the application and the manufacturing costs. On top of that a variety of different process parameters can play a role in the application and the screening of these formulations. All of this results in a very large experimental area. An area that is mostly impossible to survey using classical material development methods.

In the light of mostly short product cycles of modern formulations as well as the recent development towards more ‘green’ formulations (e.g. REACH) high-throughput technologies seem the way forward and will become indispensable for the development of new formulations.

FLANDERS MATERIALS CENTRE

Early 2005 Flamac was founded by three leading industrial companies with important research and development activities in Flanders together with Agoria Vlaanderen. Financial support was provided by the three companies and by the Flemish government.

In the meantime Flamac has become a competence centre in high-

throughput methodologies. Our mission is to keep developing **top competences in HTE**, give technological **advice** and perform **collective** as well as **contract research** towards the materials and chemical industry. In this way, innovative research for new materials, their properties and applications can be accelerated and broadened for our customers. Recently, Flamac has been integrated in the Strategic Initiative Materials in Flanders (SIM), showing the importance of high-throughput technologies in materials research.

NEW: HANDS-ON CASE STUDY. (30 September 2:30-5:30pm)

We have a maximum of 30 tickets for participating in the hands-on case study on Wednesday afternoon. We will run a complete project (selection of ingredients, design of experiment, formulation, application, screening of the properties and data handling). This is a unique opportunity to grasp the full potential of high-throughput experimentation by witnessing all the different stages of a specific example.

DAY1: TUESDAY SEPTEMBER 29, 2009

INKS & COATINGS

8:00 – 9:00 am	Registration
9:00 – 9:15 am	Welcome and introduction by Dr. Johan Paul (Flamac, Belgium)
9:15 – 10:00 am	Dr. Elwin De Wolf (AkzoNobel, The Netherlands) <i>“Smart Statistical Experiments and hte to Speed-up Paint Research”</i>
10:00 – 10:45 am	Dr. Patrick Maestro (Rhodia/CNRS -University of Bordeaux, France) <i>“Tools and Methodologies to increase R&D productivity in Chemistry : from Science to Industrial Applications at the Laboratory of the Future”</i>
10:45 – 11:15 am	Coffee
11:15 – 12:00 pm	Dr. Sake Van Gils (OCAS/ArcelorMittal, Belgium) <i>“High-throughput Experimentation in the Field of Coatings at ArcelorMittal”</i>
12:00 – 1:30 pm	Lunch

POLYMERS & ADVANCED MATERIALS

1:30 – 2:15 am	Prof. Andy Cooper (Center for Materials Discovery, United Kingdom)
2:15 – 3:00 pm	Dr. Markus Gross (Polymaterials, Germany) <i>“Modern Methods for Speeding up the Development of Tailored Plastics”</i>
3:00 – 3:45 pm	Hot slot lecture
3:45 – 4:15 pm	Coffee

4:15 – 5:45 pm	Presentation by suppliers (latest innovations) Bosch Lab Systems / Bruker / Symyx / hte AG / Synchron / Chemspeed technologies /
5:45 – 6:30 pm	Drink + Poster session
6:30 – 8:00 pm	Social program – Animated guided tour through Ghent
8:00 – ...	Dinner

DAY2: WEDNESDAY SEPTEMBER 30, 2009

AGROCHEMICALS & DRUG FORMULATIONS

9:00 – 9:45 am	Prof. Dr. Tudor Arvinte (University of Geneva, Switzerland) <i>“Use of High-throughput Formulation for the Development of Biopharmaceuticals”</i>
----------------	---

DETERGENTS & COSMETICS

9:45 – 10:30 am	Dr. Antoine Schlijper (Novidec, United Kingdom) <i>“Using Mesoscale Computer Simulations for Formulation Design”</i>
10:30 – 11:00 am	Coffee
11:00 – 11:45 pm	Dr. Chris Tucker (Dow Chemicals, United States) <i>“High-throughput Formulation and Testing of Household and Personal Care Products”</i>
11:45 – 12:30 pm	Dr. Ulrike Troppmann (BASF, Germany) <i>“High-throughput in Liquid Formulation Research”</i>
12:30 – 12:45 pm	Closing Remarks
12:45 – 2:00 pm	Lunch

NEW:

Hands-on Case study: “Development of Anti-Fouling Coatings”
Maximum 30 people!

2:30 – 3:00 pm	Introduction
	Definition problem, Design of Experiment
3:00 – 5:00 pm	Hands-on training
	- Formulation
	- Coating application
	- Characterization
5:00 – 5:30 pm	Discussion of results
5:30 –	Drink

Programme is subject to small changes. See website for latest updates and titles of presentations.