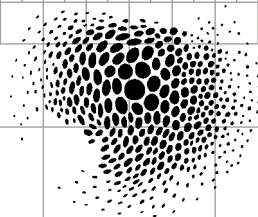


**Nederlandse Vereniging
van Verftechnici (NVVT)**



Bond voor Materialenkennis

Invitation

ONLINE NVVT Symposium:

‘ETCC2020 Conference Highlights’ and yearly general meeting

The Dutch Association of Paint Technicians (NVVT) invites you to attend this ONLINE symposium to be organized on:

Tuesday, 29th September 2020

ONLINE meeting

The ETCC2020 (scheduled for September 4-6 2020) had to be postponed due to Corona restriction. Also our original scheduled NVVT symposium of 29 September had to be skipped in our regular congress center ‘t Veerhuis. Nevertheless we want to start up our activities again. For that reason we have now organized on an ONLINE meeting in which some (planned) Dutch contributions to the ETCC2020 conference will be presented.

Prior to these presentations the yearly general members meeting will be organized. This general meeting (in Dutch) will take about 25 minutes.

Start of the meeting 13.30 hrs.

Closure 15.00 hrs.

Program

13.30 hrs **Opening by P. Geurink – chairman NVVT**

JAARLIJKSE ALGEMENE LEDENVERGADERING (in Dutch)

1. opening
2. notulen algemene ledenvergadering dd 21-05-2019
3. jaarverslag 2019
4. financieel verslag 2019
5. verslag kascommissie (de heren R. de Waart en A. van Weperen)
6. bestuursverkiezing: Op de oproep vanuit het bestuur hebben zich 2 leden aangemeld voor het bestuur: Sander van Loon en Anil Laurent. Het voorstel is beide heren te benoemen. Eventueel kunnen tot 2 uur voor de vergadering nieuwe bestuursleden worden aangemeld bij de secretaris.
7. plan voor update van statuten en huishoudelijk reglement
8. plan voor aanpassen contributie agv Corona restricties
9. mededelingen van het bestuur
10. rondvraag
11. sluiting

TECHNICAL SYMPOSIUM (in English)

14.00 hrs **Digitalization of formulation developments via predictive sciences**

Sander van Loon, Beverley Fricker, Gwenola Le Mouee, Alice Lorgue, Jose Ignacio Martinez Sanchez; VLCl, Amsterdam, The Netherlands

The applied predictive formulation sciences, Hansen Solubility Parameters (HSP) and Hydrophilic Lipophilic Difference – Net Average Curvature (HLD-NAC) are very powerful to find matching ingredients, resulting in improved stability and efficacy of end-products. These models are applicable to solutions, dispersions and emulsions, which basically includes all types of formulated products. Although it has been applied for many years, there is still a limited use in coating formulation developments and ingredients thereof. The equations require practical parameters of the ingredients. Once generated, compatible combinations can be predicted to develop and optimize specific formulations. The ingredient parameters generated via the models are predictive and sustainable: you can use them over and over, allowing you to move away from trial-and-error and use digitalization in product developments. This is a very efficient way to enhance the properties in addition to reducing the complexity, time and cost of developing formulations or ingredients. When combined with High Throughput (HT) screening for automated, parallel and small-scale preparation of samples and end-products, further efficiencies can be achieved.

The HSP and HLD-NAC approach and the required ingredient parameters will be explained via practical applications to showcase how it can lead to efficient developments of a broad range of products. The use of HT screening will be explained as well and why this is needed to fill up the ingredient database of our predictive formulation apps. These apps can be used as the first stage of experimentation by formulating products digitally, followed by a drastically streamlined amount of practical lab work needed, compared to trial-and-error. This digital formulating approach will be demonstrated, to show how this can boost efficient coating and ingredient developments.

14.30 hrs **Novel catalyst to reduce the Cure Temperature of Powder Coatings**
Marcel Groenewoud, King Ind, The Netherlands

A lower temperature cure catalyst has been developed, which is capable of providing significant reduction in bake temperatures of epoxy/acid hybrid powder coatings. In addition to the excellent cure response, the coating films exhibited great hardness, with minimal change in gloss and as well as low color with good overbake resistance. In addition its potential utility as a lower temperature cure catalyst in automotive clearcoats, makes this technology a very versatile alternate to conventional amine based catalysts.

15.00 hrs **Closure**

REGISTRATION FEES

There is no registration fee for this online meeting

REGISTRATION

Registrations are to be made at the latest Thursday 24-9-2020 by e-mail: info@materialenkennis.nl
Your registration will be confirmed. In case you do not receive the confirmation or if you are not able to participate please contact the Society for Materials Science as soon as possible.

After confirmation you will receive a link and code to enter the online meeting. During the meeting it is possible to ask questions (raise hands); also voting will be made possible where needed.

UPCOMING SYMPOSIA

24-11-2020 Theme: Binders

The board of the NVVT is looking forward to meet you on September 29, 2020!

BOARD OF THE NVVT

Pieter Geurink, chairman

Wil van Meer, secretary

Andre van Linden, treasurer

Michel la Faille

Jaap Akkerman

Dirk Klomp

Martin Bloem

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