

## FINAL CONFERENCE

Engineering polymers for thermal applications

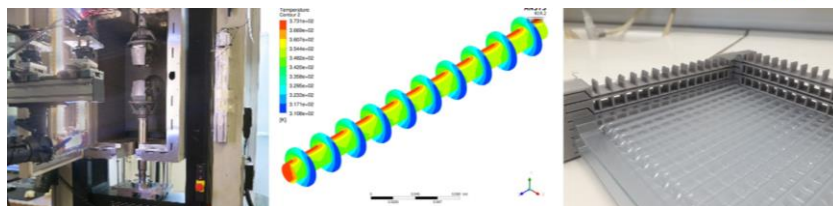
28/11/2019, 13h00 @ Ghent

AGENTSCHAP  
INNOVEREN &  
ONDERNEMEN



Vlaanderen  
is ondernemen

GHENT  
UNIVERSITY



### AGENDA

12h00 Registration with coffee & sandwiches

13h00 **Welcome & opening**

*prof. Michel De Paepe, Ghent University - FloHeaCom, Applied Thermodynamics and Heat Transfer*

#### COMPOHEX project: objectives and outcome

13h05 **High-pressure versus low- temperature applications: experimental results**

*prof. Michel De Paepe, Ghent University - FloHeaCom, Applied Thermodynamics and Heat Transfer*

13h20 **Thermal behaviour and processing of polymer-composites for heat transfer applications.**

*prof. Ludwig Cardon, Ghent University – Centre for Polymer and Material Technologies*

13h50 **Thermal and hydraulic performance of polymer based structures**

*prof. Michel De Paepe, Ghent University - FloHeaCom, Applied Thermodynamics and Heat Transfer*

14h20 **Thermo-mechanical characterization and design of polymers and composites for high-temperature applications**

*prof. Wim Van Paepegem, Ghent University - Mechanics of Materials and Structures*

14h50 **Transferable results**

*Jeroen De Maeyer, Ghent University - Business Development Manager*

15h05 **Conclusions**

*prof. Michel De Paepe, Ghent University - FloHeaCom, Applied Thermodynamics and Heat Transfer*

#### Small walk to the lab

15h15 **Lab visit Applied Thermodynamics and Heat Transfer: prototypes & what next?**



## Small walk back

16h00 Coffee break

## Insights from the industry...

**16h30** *Moldex3D Fiber Evolution – Above and Beyond*

*Victor Tsai, Sales Manager at Simpatec SARL (Moldex)*

**16h55** *Highly heat conductive polymer composite materials*

*Nicolas Schiffer, Research and Development Engineer – Technoform*

**17h15** *Air-exchanger: heating in winter, cooling in summer*

*Stijn Crombez – Business Manager, CBgroep*

**17h30** *Waste heat recovery from flue gasses using polymer heat exchangers*

*Robert Sakko - Director Technology, HeatMatrix Group BV*

17h50 Closing remarks & network reception

19h00 End

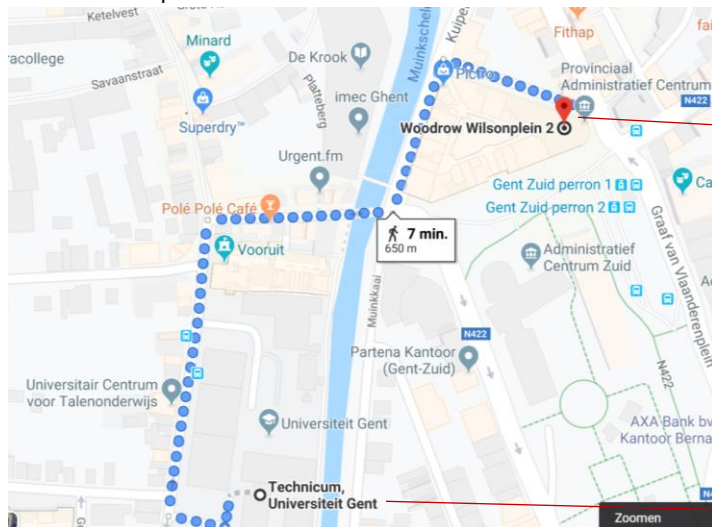
## FREE EVENT & REGISTRATION – by 22 November 2019

The seminar on Thursday 28 November 2018 is a free event in the framework of the COMPOHEX project.

Registration is required by Friday 22 November via <https://webappsx.ugent.be/eventManager/events/conferenceCO>

## Location

The route description can be found below:



### Registration, lunch, plenary conference, coffee break & network reception:

Provinciehuis Gent Zuid – Woodrow Wilsonplein 2, 9000 Gent

Meeting room: Auditorium De Schelde

Catering: Tentoonstellingsruimte

### Lab visit:

Ghent University - Sint-Pietersnieuwstraat 41, 9000 Gent, Technicum Block 4, Entrance A Technicum building, Machinery hall (Floor -3)

## By car :

You best park on the underground parking Gent Zuid.

## With public transport

From the train station Gent-Sint-Pieters:

tram 1 (Verlorenkost or Savaanstraat stop)

tram 21 or 22 (stop Zuid)

## Targeted audience

- Companies active in the **polymer/composite industry: material providers** as well as **processing companies**
- **Engineering companies** and **product manufacturers** using polymer/composite structures in their products
- **Software developers** of polymer related activities and products
- **Product designers** of polymers and composites
- **Academics** active in polymer processing, composite materials and product engineering

## Why attend?

- You will get an elaborated overview of the **results and lessons learned** in the COMPOHEX-project.
- You will discover more about the potential use of polymer based materials in **fouling and corrosion resistant applications** (e.g. waste heat recuperation, desalination systems, geothermal applications, agricultural and chemical industry, marine applications,..).
- You will meet our **new design methodology**: combining design for mechanical and thermal performance and manufacturability.
- Get in touch with our **new tools and infrastructure** to engineer and to evaluate short fiber reinforced polymer structures, incl. tools for assessment of behavior under thermo-mechanical loading and thermal conductivity.
- **Inspiring talks of industrial leaders** Simpatec, CBgroep, Technoform & Heatmatrix.

### FURTHER INFORMATION

[www.compoheX.ugent.be](http://www.compoheX.ugent.be)

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*COMPOHEX is a strategic basic research project funded by VLAIO. It aims at studying the potential of polymer/composite materials for heat exchangers and developing innovative composite heat exchangers.*