FINAL PROGRAM



2023

2 – 4 April 2023



KU Leuven – Campus Ghent Ghent, Belgium

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PROGRAM AT A GLANCE SCIFI-IT'2023 ONLINE CONFERENCE

April 2

16.00-17.30 Registration 16.00-17.30 Welcome Drink

April 3

09.00-14.00 Registration

09.30-10.00 Welcome address and Introduction to SCIFI-IT'2023

10.00-11.00 Invited Speaker

11.00-11.30 Coffee Break

11.30-12.30 Invited Speaker

12.30-13.30 Lunch

13.30-14.30 Invited Speaker

14.30-15.00 Coffee Break

15.00-16.00 Session

16.00-16.15 Closing Session Day 1

April 4

08.30-12.30 Registration

09.30-10.30 Invited Speaker

10.30-11.00 Coffee Break

11.00-12.00 Invited Speaker

12.30-13.30 Lunch

13.30-15.00 Conference Visit

15.00-15.15 Closing Session and Best Paper Award

15.15-15.45-Coffee Break

16.00-17.00 Combined Session

19.30-..... Conference Dinner

SCIFI-IT'2023 ONLINE FINAL PROGRAM

Overhead, LCD Projector and video screens are standard The underlined authors are usually the presenters.

Conference Site: ONLINE MEETING Room M210, (Building M, 2nd Floor), KU Leuven Technologiecampus Gent, Gebroeders de Smetstraat, B-9000 Ghent. The entrance to building M is via Building L. The way to the event will be signposted. (for building locations see map at the back of the programme)

For any local information contact **Monika Polańska**: (Email: monika.polanska@kuleuven.be)
General Phone Number and Email Tel. +32.9 265 86 10, Email: iw.gent@kuleuven.be

Only papers in gray boxes are eligible for the best paper award. Papers designated ONL are presented online

Monday, April 3, 2023

09.00 - 14.00 09.30 - 09.45	Registration SCIFI-IT'2023 Login of Participants
09.45 - 10.00	ROOM M210- WELCOME

Welcome Address

<u>Philippe Geril</u>, EUROSIS-ETI, Ostend, Belgium

Monika Polańska, KU Leuven, Ghent Campus, Ghent, Belgium

10.00 - 11.00 ROOM M210 - SESSION I INIVITED SPEAKER

10.00-11.00 Session Chairperson:

Satyajeet Sheetal Bhonsale, KU Leuven, Campus Ghent, Belgium



Monday, April 3, 2023

11.00 - 11.30 **Lunch Break**

11.30 - 12.30 **ROOM M210 - SESSION II**

INVITED SPEAKER

11.30-12.30 Session Chairperson:

Jan Van Impe, KU Leuven, Campus Ghent, Belgium

SCIFI_KEY_04
Compostable Cities: from Waste to Resource
Tria Amalia Ningsih, Simen Akkermans, Rachel Armstrong and Jan
F.M. Van Impe, University of Leuven, Campus Ghent, Ghent, Belgium

12.30 - 13.30 Lunch Break

13.30 - 14.30 ROOM M210 - SESSION III

INVITED SPEAKER

13.30-14.30 Session Chairperson:

Satyajeet Sheetal Bhonsale, KU Leuven, Campus Ghent, Belgium

SCIFI_INV_01

PolySense: Sustainable Intelligence

Yarne De Munck, Polysense, Ghent, Belgium

14.30 - 15.00 **Coffee break**

Monday, April 3, 2023

15.00 - 16.00	ROOM M210 - SESSION IV AI TOOLS FOR FUTURE LIVING
15.00-16.00	Session Chairperson: <u>Monika Polańska</u> , KU Leuven, Campus Ghent, Belgium
	SCIFI-IT_INTERFAC_01 Development of Public Health Data Regulatory Models from a linked Democracy Perspective
	Izabella V. Lokshina and Cees J. M. Lanting21
	SCIFI-IT_N_01 Predicting the Unpredictable: Agent Based Modelling of Emergence Phenomena Jian Wang, Ihab Hashem, Satyajeet Sheetal Bhonsale and Jan F.M. Van Impe
16.00 - 16.15	ROOM M210 - SESSION V CLOSING SESSION DAY I
16.00-16.15	Session Chairperson: Philippe Geril, EUROSIS-ETI, Ostend, Belgium A quick preview round-up of the April 4 presentations

Tuesday, April 4, 2023

08.30 - 12.30	Registration SCIFI-IT'2023
08.45 - 09.00	Login of Participants
09.30 - 10.30	ROOM M210 - SESSION VII INVITED SPEAKER

09.30-10.30 Session Chairperson:

Philippe Geril, EUROSIS-ETI, Ostend, Belgium



SCIFI_INV_03
A World of Agents
Leon Rothkrantz.....16

10.30 - 11.00 **Coffee Break**

11.00 - 12.30 ROOM M210 - SESSION VIII
INVITED SPEAKER

11.00-12.30 Session Chairperson:

Satyajeet Sheetal Bhonsale, KU Leuven, Campus Ghent, Belgium

SCIFI INV 05

<u>Modelling and Optimisation of Small-scale Biorefineries: Tools for the Future</u>

<u>Viviane De Buck, Mihaela Sbarciog, Satyajeet Sheetal Bhonsale,</u> Monika Polanska and Jan F.M. Van Impe, University of Leuven, Campus Ghent, Ghent, Belgium

Tuesday, April 4, 2023

15.00 - 15.15	ROOM M210 - SESSION IX CLOSING SESSION AND BEST PAPER AWARD
13.30 - 15.00	Conference visit to the University Brewery
12.30 - 13.30	Lunch

15.00-15.15 Session Chairpersons:

Monika Polańska, KU Leuven, Campus Ghent, Belgium Philippe Geril, EUROSIS-ETI, Ostend; Belgium

15.15 - 15.45 **Coffee Break**

15.00 - 15.15 **ROOM M210 - SESSION IX**

COMBINED SESSION TRENDS IN BREWING FLAVOUR AND FLAVOUR STABILITY

BB

Prediction of Sensory Stability of Beer by Infrared Spectroscopy coupled with Artificial Intelligence

Tomáš Vrzal, Jan Enge, Jana Olšovská, Research Institute of Brewing and Malting, Czech Republic, and Pilsner Urquell Brewery, Czech Republic

BB

Using Al and Machine Learning to predict Beer Flavor and Guide Product Development

Michiel Schreurs, Supinya Piampongsant, Miguel Roncoroni, Beatriz Herrera and Kevin Verstrepen, VIB-KU Leuven Center for Microbiology, Centre of Microbial and Plant Genetics, KU Leuven, Leuven Institute for Beer Research (LIBR), KU Leuven, Leuven, Belgium

Tuesday, April 4, 2023

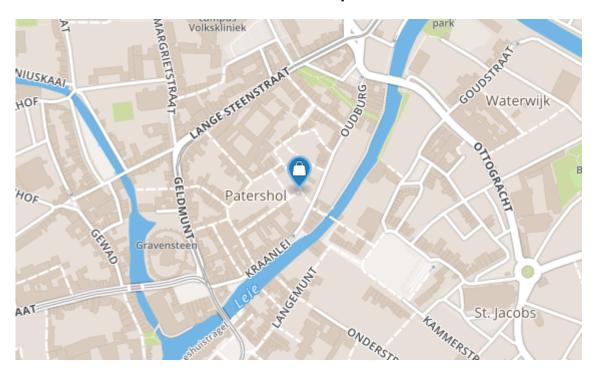
19.30 - Conference Dinner



Klokhuys Corduwaniersstraat 65 9000 Ghent Web: <u>klokhuys.com</u>

Tel: <u>09 223 42 41</u>

Location Map



SESSION CHAIR INFORMATION

Information for Session Chairs

Session Chairs are chosen on a voluntary basis by proposals by either authors or local committee members or are appointed by the Track Chairs, General Program Chair or General Conference Chair. They are responsible for their assigned session. They make sure their speakers are available, take care of the timing within the session, chair the discussion after each presentation and introduce each speaker based on the CV's given to them by the authors. In case they chair a session featuring **extended papers**, then they are required to distribute and collect the reviews of that or those papers at the beginning and end of the session. If they have time they should also indicate in their papers the number of session participants.



2024

SEE YOU ALL NEXT YEAR AT SCIFI-IT'2024 KU Leuven, Ghent Campus, Ghent; Belgium

Proposals for special tracks/tutorials/demos can be sent in by AUGUST 15th 2023

CONFERENCE LOCATION

Conference Venue



Buildings M & L (see map below)

KU Leuven Technologiecampus Gent
Gebroeders de Smetstraat 1
B-9000 Ghent
Tel: +32.9 265 86 10



GEBROEDERS DESMETSTRAAT

EUROSIS 2023 Forthcoming Conferences



ISC'2023, May 31-June 2, 2023, University of Malta, Valletta, Malta.



GAME-ON'2023 September 6-8, 2023, SETU - South East Technological University, Carlow, Ireland



ESM'2023, October 24-26, 2023, ISAE-SUPAERO, Toulouse, France



MESM'2023, November 20-22, 2023, Al-Farahidi University, Baghdad, Iraq

2024- 2025 Conferences so far

SCIFI-IT'2024 KU Leuven/Campus Ghent, Ghent, Belgium FOODSIM'2024 KU Leuven/Campus Ghent, Ghent, Belgium ESM'2024, GIU German International University in Berlin, Berlin, Germany

ESM'2025 KU Leuven/Campus Ghent, Ghent, Belgium

NOTES

SCIFI-IT'2023 At-Conference Registration Form

Please legibly print or type and fill out completely. (Check appropriate boxes where necessary)

FIRST	NAME	LAST NAME	M.I.		
COMPAN	Y OR AFFILIATION		I		
Mailing ad	dress (tick one): [] HOME [] BUSINESS				
STREET					
CITY					
ZIPCODE		COUNTRY			
TELEPHO	NE	FAX			
E-MAIL		1			
DATE		SIGNATURE			
1. [] EU	IROSIS member € 550 Member	Number:		€	
2. [] Me	embers of Sponsor or Affiliate	Society € 550		€	
3. [] No	3. [] Non-Member Participant € 595			€	
4. [] Stu	4. [] Student Participant € 365			€	
	udents, <u>who are not authors</u> bu CIPANTS pay: € 365	ut who wish to attend the confere	ence, or ONE DAY	€	
refreshn		by of the PROCEEDINGS, all mid m,) One Day Participants and No ner.			
6. [] Tu	torial registration ONLY - €30	(students) Or €80 (non student	s)/ per tutorial	€	
7. [] Co 25/day	nference Dinner Ticket for Cor	mpanion € 80 [] Lunch Ticket fo	r Companion €	€	
8. [] Ex	tra Conference Proceedings €	30 Cash and Carry		€	
VAT Nu	mber if applicable:				
TOTAL	AMOUNT DUE			€	
<u>ADD 21</u>	% VAT (Value Added Tax) OBL	<u> IGATORY</u>		€	
TOTAL	AMOUNT REMITTED			€	
[]2)	Pay by CREDIT CARD and fill in	n the information below:			
	Charge my (tick one): []Visa [] Euro/Mastercard [] American Express				
	CARD NO:::	:::	_ EXP.DATE: /	<u> </u>	
	Authorizing Signature:				
	Print Signature in CAPITALS				



EUROSIS was borne out of discussions with the European Community to set up a new kind of Society, which would be project driven instead of driven by pure membership and conferences.

The aim of the new Society is to set up topic related Technical Committees which link directly to European Projects in the field of computer simulation and related areas and to act as a knowledge pool for future HORIZON 2020 European Networks of Excellence, like MOSAIC.

If you would like to receive more information about EUROSIS, please contact

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