Final Program

23-25 June 2014

Organized by

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Contents

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General Information

1.1 Conference Location

The Conference itself is held at

Oceanopolis
Port de Plaisance du
Moulin Blanc, 29210
Brest, France
📞 +33 2 98 34 40 40

The meeting room is in the "**Pavillon Evènementiel"**, located at the entrance of the building**.** Registration will start on Monday at 8.30 a.m. till 03.00 p.m. On Tuesday it will be from 8.45 a.m. - 12.30 p.m

Getting to Océanopolis

By Plane:
Brest International Airport, (Tel : +33.2 98 32 86 00 - Fax : +33.2 98 32 86 03
The is mainly linked to Paris, London, Nice, Lyon, Dublin. The primarily operator is Air France (via its subsidiary HOP!). The airport is located some 20 minutes from Brest town centre
From the airport there is a shuttle bus service to city centre.
The price of a ticket is €1.40. This allows you to travel for one hour on any Bibus route (shuttle, tramway, bus). Bibus season tickets are accepted. Tickets can be bought on board the shuttle from the conductor or on Bibus website. see further bus info below. (Tel: +33 (0)2 98 80 30 3)

By Train:
The railway station of Brest, Gare de Brest, is linked to Rennes and Paris. TGV trains to Paris Montparnasse take approximately four and a half hours to reach the capital. Brest station is 3km away from Oceanopolis. Take the number 3 bus ("Liberté/Océanopolis") from outside the train station/chamber of commerce.

By Bus:
At the back of this programme you will find the location of the conferemce bus. Departure at 8.15 on monday, if necessary we will drive to some hotels (ibis centre for instance) and certainly Ibis port.

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ALL OTHER MAPS ARE AT THE BACK OF THIS PROGRAMME

1.2 Badges

Each registrant will receive a name badge upon registration. The badge must be worn in order to be admitted to the technical sessions, lunches and social event.

1.3 Tickets

Extra tickets for the social event and lunches are available from the Registration desk. (**at conference prices**)

Price: (or equivalent in another currency) for extra tickets. All participants will be issued with tickets for lunch and the conference dinner. **Or just the badge will apply.**

conference dinner:	€ 55
lunch	€ 30

1.4 Registration

The **FOODSIM'2014** Registration Desk will be open for information and registration:

Monday, June 23 ....8.30 a.m. to 03.00 p. m.
Tuesday, June 24 ....8.45 a.m. to 12.00 p. m.

1.5 Conference Proceedings

Each fully paid registrant will be provided with a copy of the Conference Proceedings (printed format). (Extra copies are available on a **cash and carry** basis at special rates during FOODSIM-2014)

Price: (or equivalent in another currency) for an extra copy

FOODSIM'2014 Proceedings	€ 35
Other Proceedings –see price list at desk	

Other Proceedings can be ordered using the forms available at the conference.

1.6   Meeting Room

The meeting room is in the "**Pavillon Evènementiel"**, located at the entrance of the building Directions to the room will be signposted.

General Information

1.7   Internet Connection

There is full free WIFI at the conference site.

1.8   Need Help?

Please see the conference desk for your questions

1.9   Social Events and Lunches

All registrants are invited:
To the **Coffee Breaks** and the **lunches** for 2 days which will be served at

Oceanopolis
Port de Plaisance du Moulin
Blanc, 29210 Brest, France
+33 2 98 34 40 40

To the **Conference Dinner**

The conference dinner will be
held on the 23rd of June in the
evening at the
La Maison de l'Ocean
2, Quai de la Douane, Brest
Tel: +33. 02 98 80 44 84
http://www.restaurant-fruit-mer-
brest.com/

To the Conference Visit

The conference visit is scheduled
for the 25th of June in the morning
from 09.00 to 12.00 to the
European Virtual Research Center
the last day (www.cerv.fr), More
information will be available at the
conference

1.10 Best Paper Award

During the conference the papers, which were accepted as extended papers will be judged by the committee and participants in order to choose the best paper of the FOODSIM'2014 conference. The best paper candidate receives a certificate signed by the General Conference and Program Chairs and also a free registration to any EUROSIS conference within 2 years of receipt of the prize.

1.11 Paper Legend:

Each paper is designated before each paper by its number. This number has to be entered on the form for the best paper award

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The room has an LCD projector and an overhead projector

SESSION CHAIRPERSONS

ALL SESSION CHAIRPERSONS IN THIS PROGRAM ARE PROVISIONAL. **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. **If a session chair is not available then the first author takes on the responsiblity to chair**

Sessions with extended papers: **If you are a session chair in a session with extended papers make sure the session participants have a copy of the best paper award form and ask them to return them to you at the end of the session. After the session hand over the collected forms to Philippe Geril**

THE NUMBERS NEXT TO THE PRESENTATIONS DENOTE THE PAGE-NUMBERS IN THE PROCEEDINGS. IF NO NUMBERS ARE MENTIONED THEN THIS PAPER IS NOT PUBLISHED IN THE PROCEEDINGS

THE AUTHORS WHO ARE UNDERLINED ARE NORMALLY THE PRESENTERS

ONLY PAPERS IN GREY BOXES ARE THE EXTENDED PAPERS ELIGIBLE FOR THE BEST PAPER AWARD

General Information

MONDAY, 23rd JUNE 2014	
08.30-15.00	**REGISTRATION**
08.30-09.00	**WELCOME COFFEE**
09.00-09.15	**OPENING SESSION**
09.15-10.00	**KEYNOTE ADDRESS BY GIREG DESMEULLES**
	MEETING ROOM
	VIRTUAL REALITY SOFTWARE AND BIOLOGICAL SIMULATION WITH AN APPLICATION TO FOOD
10.30-12.30	**SESSION**
	MEETING ROOM
	FOOD PROCESSING AND SAFETY
12.30-14.00	**LUNCH BREAK**
14.00-15.00	**TUTORIAL BY PASCAL BALLET PART I**
	MEETING ROOM
	EXTENSIVE FISH FARM SIMULATION
15.00-15.30	**COFFEE BREAK**
15.30-17.00	**SESSION**
	MEETING ROOM
	METHODOLOGY AND MODELLING
17.00-19.00	**VISIT TO OCEANOPOLIS**
19.30-22.00	**CONFERENCE DINNER**

TUESDAY, 24th JUNE 2014	
08.45-12.30	**REGISTRATION**
09.00-10.00	**TUTORIAL BY GIREG DESMEULLES**
	MEETING ROOM
	ReiSCOP **A SOFTWARE TO SIMULATE BIOLOGICAL BEHAVIOUR**
10.00-10.30	**COFFEE BREAK**
10.30-12.30	**SESSION**
	MEETING ROOM
	ENVIRONMENTAL FACTORS **AND** **FOOD EXPOSURE**
12.30-14.00	**LUNCH BREAK**
14.00-15.00	**TUTORIAL BY PASCAL BALLET PART II**
	MEETING ROOM
	EXTENSIVE FISH FARM **SIMULATION**
15.00-15.30	**POSTER SESSION**
15.30-15.45	**CLOSING SESSION AND BEST PAPER AWARD**

WEDNESDAY, 25th JUNE 2014

WEDNESDAY, 25th JUNE 2014

09.00-12.00	VISIT TO THE VIRTUAL REALITY CENTRE

HALLWAY

Registration

08.30 - 15.00

08.30 - 09.00
COFFEE BREAK

MEETING ROOM   **KEYNOTE**
09.00 – 09.15

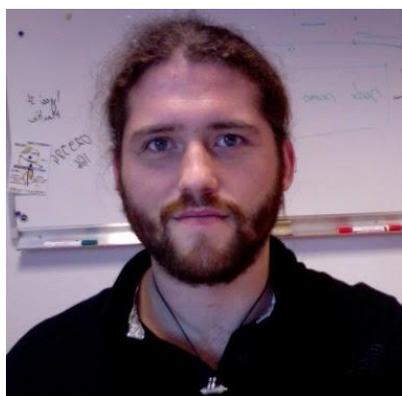## Opening FOODSIM'2014 and Welcome

Welcome Address

Alain-Claude Roudot, LERCCO, UBO, Brest, France
FOODSIM'2014, General Conference Chair

09.15 – 10.00
KEYNOTE SPEECH
Chair: Alain-Claude Roudot, LERCCO, UBO, Brest, France

Virtual Reality Software and Biological Simulation with an Application to Food
Gireg Desmeulles, European Center of Virtual Reality, Brest, France

Welcome

Monday, 23rd June 2014

10.30 – 12.30

MEETING ROOM -10.30-12.30   **PROCESS**
FOOD PROCESSING AND SAFETY
Chair: Pascal Ballet, University of Brest, Brest, France

12.30 - 14.00
LUNCH BREAK

MEETING ROOM   **TUTORIAL**
14.00 – 15.00

Chair: Alain-Claude Roudot, LERCCO, UBO, Brest, France

Monday, 23rd June 2014

TUT_03 – PART I

Extensive Fish Farm Simulation
Pascal Ballet, University of Brest, Lab-STICC, France

15.00 - 15.30
COFFEE BREAK

15.30 – 17.00

MEETING ROOM - 15.30-17.00   **METH**
METHODOLOGY AND MODELLING
Chair: Jean-Yves Monteau, ONIRIS, Nantes, France

Monday, 23rd June 2014

CONFERENCE VISIT – 17.00-19.00

The conference visit is scheduled for the 23rd of June in the afternoon from 17.00 to 19.00 to Océanopolis itself.

More information will be available at the conference

On Monday evening, a bus will leave from Océanopolis to the restaurant at 19:00. From the restaurant to the hotel: on foot (5 minutes if you are in IBIS on the port, 15 min. if you are in the city centre)

CONFERENCE DINNER: 19.30-22.00

The conference dinner will be held on the 23rd of June in the evening at the
La Maison de l'Ocean
2, Quai de la Douane
Brest

Tel: +33. 02 98 80 44 84

http://www.restaurant-fruit-mer-brest.com/

HALLWAY

Registration

08.45 - 12.30

MEETING ROOM   **TUTORIAL**
09.00 – 10.00

TUT_01
Chair: Alain-Claude Roudot, LERCCO, UBO, Brest, France

RelSCOP: a software to simulate biological behaviour
Gireg Desmeulles, European Center of Virtual Reality, Brest, France

10.00 - 10.30
COFFEE BREAK

10.30 - 12.30

MEETING ROOM – 10.30-12.30   **ENV**
ENVIRONMENTAL FACTORS AND FOOD EXPOSURE
Chair: Alejandra Ramirez, LERCCO, UBO, Brest, France

FOOD_METH_03
Modeling and Simulation of Epidemics caused by Contaminated Water
Bartłomiej Fajdek, Radosław Pytlak, Marcin Stachura
and Tomasz Tarnawski.. 59

Tuesday, 24th June 2014

FOOD_QUAL_05
Assessing Risk for Aflatoxin Exposure through Maize Food Intake in Veracruz City (México)
Hiram Alejandro Wall-Martínez, Guadalupe del Carmen Rodriguez-Jimenes, Victor José Robles-Olvera, Miguel Angel Garcia Alvarado, Alejandra Ramirez-Martinez, Marco Antonio Salgado-Cervantes, Nathalie Wesolek, Alain-Claude Roudot and Violeta T. Pardio Sedas **65**

FOOD_SUSTAIN_03
Monitoring Environmental Factors in Mekong Delta of Vietnam using Wireless Sensor Network Approach
Bao Hoai Lam, Hiep Xuan Huynh, Mahamadou Traoré, Pierre Yves Lucas and Bernard Pottier **71**

FOOD_QUAL_04
Uncertainties and Variabilities Evaluation in Food Exposure Assessment
Alain-Claude Roudot **79**

12.30 - 14.00
LUNCH BREAK

14.00 - 14.30

MEETING ROOM – 14.00-14.30   **POSTER**
POSTER SESSION
Chair: Alejandra Ramirez, LERCCO, UBO, Brest, France

FOOD_SUSTAIN_01
Supercritical CO2 extraction of high added value products from peels of both organic and outsize or defective PGI citrus fruits
Vincenza Calabrò, Alessandra Meluso, Margareth Cucunato, Stefano Curcio, Silvia Mazzuca, Roberto Balducchi and Giuseppe Di Sanzo

14.30 - 15.30

MEETING ROOM – 14.30-15.30   **TUT**
TUT_03 –PART II
Chair: Alain-Claude Roudot, LERCCO, UBO, Brest, France

Extensive Fish Farm Simulation
Pascal Ballet, University of Brest, Lab-STICC, France

Hands-on Simulation

15.30 - 15.45

MEETING ROOM - 15.30-15.45   **BEST PAPER**
CLOSING SESSION AND BEST PAPER AWARD
Chair: Alain-Claude Roudot, LERCCO, UBO, Brest, France

Wednesday, 25th June 2014

09.00 - 12.00

CONFERENCE VISIT – 09.00-12.00

A visit the European Virtual Research Center the last day (www.cerv.fr), where there is a team working on biological 3D modelling and simulation.

BEWARE – this visit is only held if enough participants take part

FOODSIM'2016

**SEE YOU ALL
JUNE, 2016 FOR FOODSIM'2016
Ghent University Global Campus, Incheon, South-Korea**

**Track proposals and tutorial proposals can be sent in
by March 30th, 2015 to philippe.geril@eurosis.org**

If you are interested in hosting a FOODSIM conference, just contact EUROSIS.

FOODSIM'2016 And Beyond

Conference Site Map
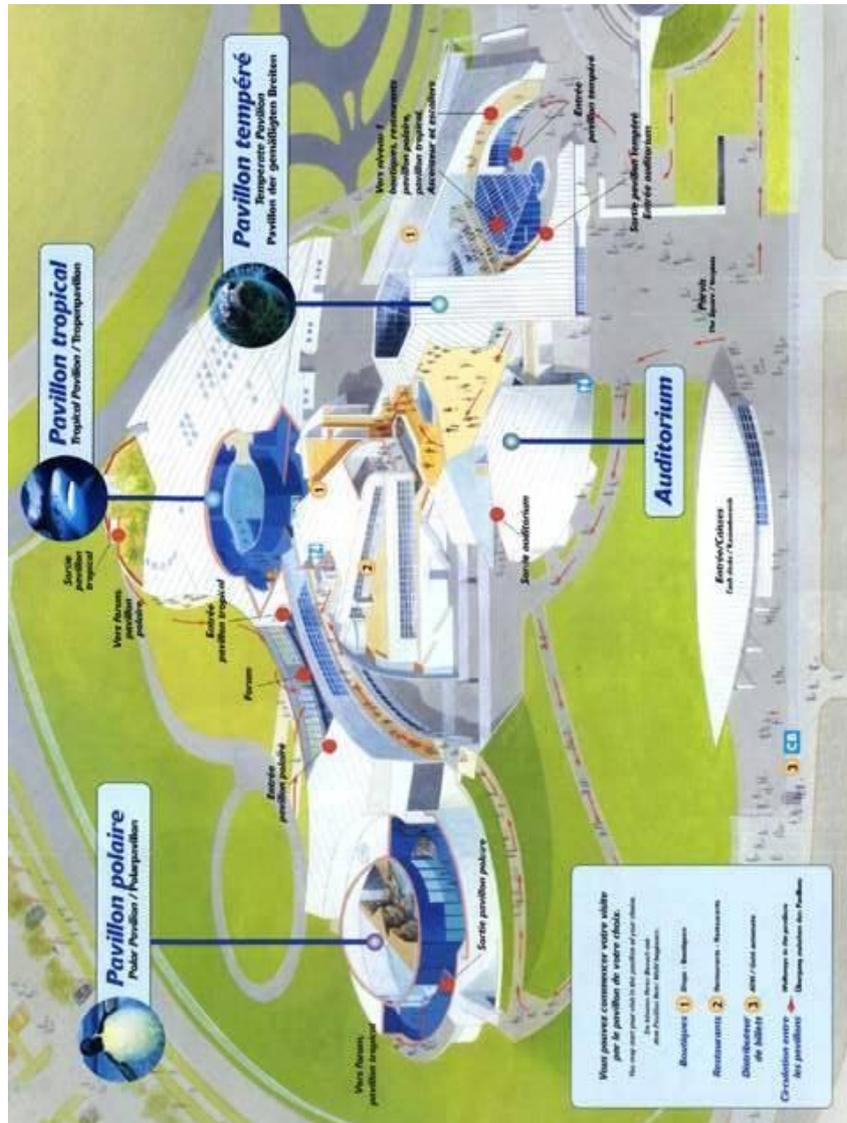
The conference takes place in the in the "Pavillon Evènementiel"

Bus station to Oceanopolis (Special bus):

The station is located in front of the QUARTZ theater.

See the parking location of the bus. departure at 8.15 on Monday, if necessary we will drive to some hotels (ibis ventre for instance) and certainly Ibis port.

NOTES

FOODSIM'2014 Registration Form

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

FIRST NAME	LAST NAME	M.I.
COMPANY OR AFFILIATION		
Mailing address (tick one): [ ] HOME [ ] BUSINESS		
STREET		
CITY		
ZIPCODE	COUNTRY	
TELEPHONE	FAX	
E-MAIL		
DATE	SIGNATURE	

1. [ ] EUROSIS member € 545 **Member Number**:_____	€_____
2. [ ] Members of Sponsor or Affiliate Society € 545	€_____
3. [ ] Non-Member Participant € 555	€_____
4. [ ] Students, <u>who are not authors</u> but who wish to attend the conference, or **ONE DAY PARTICIPANTS** pay: € 435	€_____
(Above registration fees include, one copy of the PROCEEDINGS, all midday meals, cocktail, refreshments, coffees and social program,) One Day Participants and Non-Author Students cannot participate in the conference dinner.	
5. [ ] Conference Dinner Ticket for Companion € 55 **[] Lunch Ticket** for Companion € 30/day	€_____
6. [ ] Extra Conference Proceedings € 35 **Cash and Carry**	€_____
VAT Number if applicable: _____	
TOTAL AMOUNT DUE	€_____
	€_____
ADD BANK CHARGE of € 15 in case you pay by BANK or CHEQUE.	€_____
TOTAL AMOUNT REMITTED	€_____

[ ] 1)   Make payment by **BANK TRANSFER** to account **IBAN CODE: BE03 0014 0814 7784** EUROPEAN TECHNOLOGY INSTITUTE, ETI Bvba, BNP PARIBAS FORTIS BANK, Torhoutsesteenweg 356, B-8400 Ostend, Belgium, **SWIFT CODE: GEBABEBB MENTION YOUR NAME and FOODSIM'2014**

[ ] 2)   Or pay by **CHEQUE** and send it to Philippe Geril, EUROSIS-ETI, European Simulation Office, Greenbridge Science Park, Ghent University – Ostend Campus, Wetenschapspark 1, Plassendale 1, B-8400 Ostend, Belgium.

[ ] 3)   Or pay by **CREDIT CARD** and fill in the information below:

Charge my (tick one): [ ]Visa [ ] Euro/Mastercard [ ] American Express

CARD NO: __ __ __ __ : __ __ __ __ : __ __ __ __ : __ __ __ __ EXP.DATE: __ __ / __ __

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

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

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Fax: ....
Email: ....

EUROSIS Info