

Anniversary
10th
Edition

For more information:
CRA-W - Valorisation of
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Department
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How to get to Gembloux

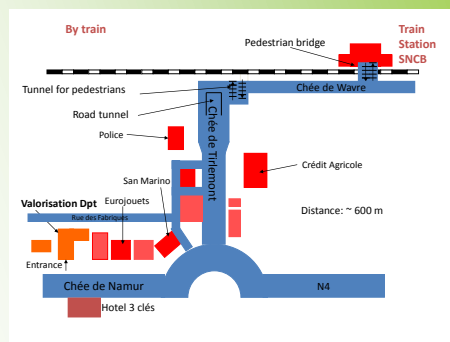


from Brussels

At any railway station in Brussels (Midi, Central, North, Schumann and Luxembourg) take a direct train (every half an hour) direction Namur-Luxembourg.

You can consult directly the schedules on the national railway company website: www.b-rail.be.

It takes about 10 min to walk from Gembloux Station to the Valorisation of Agricultural Products Department of the CRA-W.



- ♦ **Motorway E411 – Exit n°11
Gembloux–Thorembais**
- ♦ **Motorway E42 – Exit n°12
Gembloux**

Accommodation

Room reservations can be made at the hotel Best Western situated just in front of the department

Website: www.les3cles.be

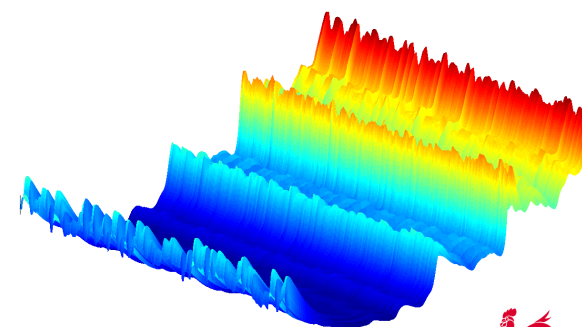
Vibrational Spectroscopy and Chemometrics

Training Session

13 March–17 March 2017



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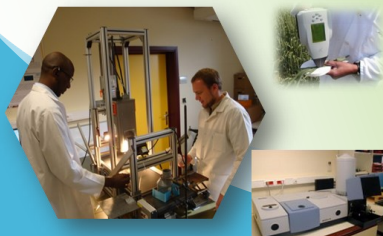
Wallonie

The CRA-W

Established in 1872, the Walloon Agricultural Research Centre (CRA-W) is a leading scientific institution, under the Walloon Ministry of Agriculture. CRA-W employs some 450 people including 120 scientists. Its offices, laboratories, greenhouses, orchards and experimental plots occupy an area of about 300 ha.

The expertise available at this multidisciplinary research institution covers the following areas: plant breeding, genetic engineering, plant genetic resources management, integrated plant protection, farming systems, agricultural engineering and agro-meteorology, optimisation of agricultural foods productions and analysis and quality control of agro-food products and soils.

The Valorisation of Agricultural Products Department of the CRA-W has internationally renowned expertise in spectrometric and chemometric analysis applied to the qualitative management of agro-food products among others. As far as research is concerned, it has participated to the development of analytical techniques that will enable us to measure or assess the quality of agricultural products. The CRA-W expertise allows the opportunity to offer services to industry as well as to society (analyses conducted on behalf of inspection offices in the Ministry of Agriculture and the Ministry of Public Health). The Val-



Context

For the 10th consecutive year, the CRA-W organises a complete training on vibrational spectroscopy and chemometrics.

In this 10th anniversary training you will have a complete overview of the theory of the spectroscopic and chemometric methods most commonly used. This will be completed with dynamical practical sessions in multidisciplinary laboratories, which will give you some tips and tricks useful when dealing with spectroscopy and chemometrics.

Venue

The training will be hosted by the Valorisation of Agricultural Products Department (Henseval Building) of the Walloon Agricultural Research Centre (CRA-W) in Gembloux.

Date of the training

13 March– 17 March 2017

Fee and registration

Participation to this training is 2500€ per participant.

Students benefit of a 50% discount.

The registration fee includes attendance at the 5 days training, the training book with all courses, coffee breaks, lunches and a training diner.

Registration is done by sending an email to:

j.fernandez@cra.wallonie.be

Deadline for registration: 20th February 2017 within the limits of available places.



The audience

The training is technical and practical and dedicated to participants with none or little knowledge in vibrational spectroscopy and chemometrics. Dedicated sessions could be organized for people with some knowledge on the methods.

Chemometrics applied to vibrational data

Exploratory analysis:

Data visualisation

Principal component analysis

Outlier detection

Uncertainty estimation

Quantification and classification

Multivariate calibration:

Partial Least squares PLS

Multiple linear regression MLR

Support vector machines SVM

List of speakers

Invited guest: Murray, Ian (NIR Theory)

Abbas, Ouissam (MIR spectroscopy) Baeten, Vincent (Raman / Hyperspectral imaging)

Dardenne, Pierre (NIR considerations)

Fernández Pierna, Juan Antonio (Chemometrics)

Vermeulen, Philippe (Hyperspectral Imaging)

Vincke, Damien (Hyperspectral Imaging)

Lecler, Bernard (transfer/standardization)

Minet, Olivier (NIR networks)

Sinnaeve, Georges (NIR online)

And other « 10th anniversary » invited guests

