CHIMIOMÉTRIE 2016

Séminaires précongrès - Lundi 18 Janvier

Pre-conference courses - Monday 18 January

Titre du séminaire / Course title

Multivariate Curve Resolution

Enseignant / Trainer

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Description / Course details

Multivariate Curve Resolution defines a group of methods that helps to provide chemically meaningful quantitative and qualitative profiles of the pure components present in a mixture, e.g., elution profiles and related spectra from a chromatographic data set.

The course will be an introduction to this kind of methodology and, particularly, to the algorithm Multivariate Curve resolution-Alternating Least Squares (MCR-ALS).

There will be theoretical explanations combined with practical exercises carried out with a GUI that will be provided as a course material.

Examples of analyses of a single data set (e.g, chromatographic data, processes, hyperspectral images) and multiset structures (data fusion) will be worked out in the practical session.

Although the course will be in English, questions and discussion can be in French.

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Public / Expected public

This course is introductory and, therefore, no initial experience in the use of MCR is required. Users of academia and industry with a basic background of multivariate analysis can easily follow and benefit from the contents.

Prérequis / Specific needs

Basics of multivariate analysis can be helpful.

A computer is needed to be able to carry out the hands-on practical session.

No special software is needed (work is done using a compiled GUI, which does not require any preinstalled software.

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