

## **Multivariate Curve Resolution Course (EUROPACT 2011)**

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**Prerequisites:** 1) Basics of multivariate linear analysis. 2) Participants should bring their own laptop computers.

**Objective:** This half one-day course is devoted to present the theoretical aspects and the practical application of Multivariate Curve Resolution methods. It will describe methods to explore the data structure and generate initial estimates and will present in detail the basic concepts and application of multivariate curve resolution to two-way and three-way data sets. The theoretical sessions will be accompanied by hands-on sessions on diverse data examples. The software used will be mainly an MCR-ALS graphical user interface designed by the authors and related MATLAB routines. Both basic MCR (for the analysis of a single data set) and extended MCR (for multiset and multiway data analysis) will be presented.