



# X-ray Structural Analysis

## KEY WORDS

THEMATIC SCHOOL,  
STRUCTURAL  
ANALYSIS

## MAIN CONTENTS

Introduction to X-ray diffraction (XRD) theory  
Determination and analysis of structures  
Packaging and interaction analysis  
Use of aspheric models of electron density distribution  
Crystallography under constraints.

## COURSE DYNAMICS

Presentation and welcome  
Integrated theoretical and practical units

## LANGUAGE

French and English

## CONTACT US

[enrique.espinosa@univ-lorraine.fr](mailto:enrique.espinosa@univ-lorraine.fr)

<https://crm2.univ-lorraine.fr/formation/ecoles/>

[Université de Lorraine](https://www.univ-lorraine.fr)

## Topic area

Structural analysis by  
X-ray diffraction on  
single crystals



## Format

In person -  
10 hs a day for one week

