

SGA



**13TH SGA BIENNIAL MEETING
NANCY – FRANCE
24-27 AUGUST 2015**

WORKSHOP 4

Spectroscopies for field work

3 days - Pre-conference - 21th to 23th of August

Jean Cauzid jean.cauzid@univ-lorraine.fr

Venue: Ecole Nationale Supérieure de Géologie (ENSG), Bât. G, 2 Rue du Doyen Marcel Roubault - TSA 70605 - F-54518 Vandœuvre-lès-Nancy Cedex, France

Duration: 3 days - 21th to 23th of August 2015.

Leaders: Jean Cauzid, Université de Lorraine-GeoRessources, Odile Barrès, CNRS-GeoRessources, Philippe Marion, Université de Lorraine-GeoRessources-ENSG.

Attendants: 10-20

Registration deadline: 31th of Mai 2015

Price: covers courses, lunches (21th to 23th of August 2015), break refreshments and documents)

SGA student member/non-member: 200€/225€

SGA member/non-member: 300€/400€

Spectroscopic setups designed for field work applications are useful tools for gathering the best possible data during field investigations. This short course intends to review the physical basis on which spectroscopic tools rely and the technical breakthroughs that have enabled some of these techniques to be employed in the field.

Day 1: Starting in the afternoon. Overview on analytical techniques applicable on the field. Information about the day out.

Day 2: Testing possibilities and limitations of X-Ray Fluorescence and near-Infrared on the field. Further information about the chosen site will be given later.

Day 3: Post-acquisition issues: data processing, interpretation. We are still trying to make Gamma-ray Spectroscopy, Raman and Laser-Induced Breakdown Spectroscopy available for demonstration that day.