

# SGA 50<sup>th</sup>

ANNIVERSARY MEETING



NANCY | 24-27  
FRANCE | AUGUST  
2015

## WELCOME BACK TO NANCY

for the 13<sup>th</sup> SGA biennial Meeting

2<sup>nd</sup>  
circular  
and call  
for papers

### "MINERAL RESOURCES IN A SUSTAINABLE WORLD"



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[sga2015.univ-lorraine.fr](http://sga2015.univ-lorraine.fr)



UNIVERSITÉ  
DE LORRAINE

RWTHAACHEN  
UNIVERSITY

KATHOLIEKE UNIVERSITEIT  
LEUVEN





# INVITATION

It is with great pleasure that we warmly invite you to the 13<sup>th</sup> SGA Meeting in Nancy!

Ever since the first edition in Nancy in 1991, the biennial SGA meetings have continued to provide excellent opportunities to present and exchange knowledge within the field of mineral deposit research.

The 13<sup>th</sup> SGA meeting will be organized by the CNRS and a consortium of French, Belgian and German universities: Lorraine, Liège, Aachen and Leuven. The focus for this 13<sup>th</sup> edition will be on "Mineral Resources in a Sustainable World".

The SGA was founded in 1965 in Heidelberg and the 2015 SGA meeting will celebrate the 50<sup>th</sup> anniversary of the Society!

The meeting will take place at the Nancy Centre Prouvé in Nancy city center from the 24<sup>th</sup> to 27<sup>th</sup> of August 2015.



## VENUE

Nancy, city of art and culture

The former capital of the dukes of Lorraine, Nancy, has a rich heritage. The eighteenth-century heart of the city is a UNESCO World Heritage site and includes the famous Place Stanislas, one of the most beautiful squares in the world. Nancy is also one of the birthplaces of Art Nouveau, in the form of the Ecole de Nancy, and hosts museums presenting outstanding works by Gallé, Daum, Majorelle, Prouvé and Vallin.

Live performances, terraces and bars, renowned restaurants and more unusual eateries – the city offers all the fun-filled creative energy associated with a leading university town and its 45,000 students!

Several brochures can be found on-line to help you prepare your escape: [en.nancy-tourisme.fr/practical-info/download-brochures/](http://en.nancy-tourisme.fr/practical-info/download-brochures/)

The Centre Jean Prouvé was inaugurated in the summer of 2014. The new 20,000 m<sup>2</sup> congress centre offers highly adaptable and functional conference space, hosts state-of-the-art facilities and equipment, and has been designed to meet the most demanding needs of its clients.

The Centre Prouvé is ideally located in the heart of Nancy, just one minute from the TGV train station and in immediate proximity to a large hotel offer.



## SCIENTIFIC SESSIONS AND SYMPOSIA

**16 scientific sessions and 5 symposia are proposed for the next SGA2015 and the call for abstracts is now open. On-line submission will be open from 15<sup>th</sup> January to 28<sup>th</sup> February 2015.**

### SCIENTIFIC SESSIONS

- 1. Geodynamics, orogenic cycles and mineral systems
- 2. Porphyry and epithermal deposits
- 3. Fluids and ore genesis
- 4. Developments in elementary and isotope geochemistry, source tracing and geochronology
- 5. Strategic metals: their sources, and ore-forming processes
- 6. Magmatic (Ni-Cu-Cr-PGE) mineral systems: ore forming processes and geodynamic setting
- 7. REE and other mineralization associated with carbonatites and alkaline rocks
- 8. Iron ores including IOCG
- 9. Organic matter and ore deposits: where the molecular world meets the mineral
- 10. Concentration processes in sub-surface environments
- 11. Marine mineral resources
- 12. Gems and industrial minerals
- 13. Processing of low-grade ore deposits
- 14. Geometallurgy
- 15. Phytomining strategic metals and other elements from naturally mineralized soils and mineral wastes
- 16. Sustainable mining and environmental issues
- 17. Open session

### SYMPOSIA

- A. Metallogeny of North and West Africa
- B. 3D modeling - in honour of J.L. Mallet
- C. Uranium deposits - in honour of Michel Cuney
- D. Sediment-hosted deposits - in honour of Jan Pašava
- E. Volcanogenic Massive Sulfide ore deposits - in honour of James Franklin

## WORKSHOPS

Seven workshops are already proposed for the next SGA2015.

If you would like to organize a complementary workshop during the next SGA 2015, please contact us at: [sga-2015@univ-lorraine.fr](mailto:sga-2015@univ-lorraine.fr).

New proposals will be considered until the 10<sup>th</sup> January, 2015.

Proposals for workshops that focus on a specific type of deposit are warmly welcomed.

#### • WORKSHOP 1. Structural geology

2 days – Pre-meeting workshop – 22<sup>nd</sup> and 23<sup>rd</sup> August 2015  
[cbonson@srk.co.uk](mailto:cbonson@srk.co.uk)

#### • WORKSHOP 2. Intensive course in geophysics: gravimetry and magnetometry applied to exploration

2 days – Pre-Meeting workshop – 22<sup>nd</sup> and 23<sup>rd</sup> August 2015  
[lyal\\_harris@ete.inrs.ca](mailto:lyal_harris@ete.inrs.ca)

#### • WORKSHOP 3. Agromining: from soils to refined metal products

2 days – Pre-Meeting workshop – 22<sup>nd</sup> and 23<sup>rd</sup> August 2015  
[guillaume.echevarria@univ-lorraine.fr](mailto:guillaume.echevarria@univ-lorraine.fr)

● **WORKSHOP 4. Spectroscopies for field work**

2 days – Pre-Meeting workshop – 22<sup>nd</sup> and 23<sup>rd</sup> August 2015

Contact : jean.cauzid@univ-lorraine.fr

● **WORKSHOP 5. Fluids and metals**

2 days – Pre-Meeting workshop – 22<sup>nd</sup> and 23<sup>rd</sup> August 2015

Contact : jean.dubessy@univ-lorraine.fr

● **WORKSHOP 6. Modeling mineral deposits in 3&4D**

3 days – Pre-Meeting workshop – 21<sup>st</sup> to 23<sup>rd</sup> August 2015

Contact : royer@gocad.org

● **WORKSHOP 7. Latest advances on the understanding of the genesis of Ni-Cu-PGE mineral systems and associated review of exploration targeting**

1 day - Pre workshop meeting - 23<sup>rd</sup> August 2015

Contact : marco.fiorentini@uwa.edu.au - steve.barnes@csiro.au

● **WORKSHOP 8. Society of Economic Geology Workshops on the geology and geochemistry of gold deposits**

2 days - Pre-Meeting workshop – 22<sup>nd</sup> and 23<sup>rd</sup> of August 2015

Contact: rjgoldfarb@mac.com



## FIELD TRIPS

● **FIELDTRIP 1. Pb-Zn deposits of the Vardar Zone, Kosovo**

3 or 4 days - Post-conference - Starting point: Prishtina International Airport Adem Jashari

Leaders: J. Pršek and J. Kołodziejczyk - prsek@geol.agh.edu.pl

● **FIELD TRIP 2. Precious and base metal deposits in Anti-Atlas and Hercynian belts, Morocco**

6 Days - Post-conference - Starting point: Casablanca

Leaders: M. Bouabdellah, J. Cauzid and A. Cheilletz - jean.cauzid@univ-lorraine.fr or mbouabdellah2002@yahoo.fr or alain.cheilletz@univ-lorraine.fr

● **FIELD TRIP 3. Rare metal granites and W deposits of the French Massif Central**

3 Days - Post-conference - Starting point: Limoges-France

Leaders: M. Cuney and Ch. Marignac - michel.cuney@univ-lorraine.fr

● **FIELD TRIP 4. Geology-Soil sciences-terroirs and Burgundy wines**

4 Days - Post-conference - Starting point: Dijon

Leader: B. Bois - benjamin.bois@u-bourgogne.fr

● **FIELD TRIP 5. Rare metal ore deposits of the Erzgebirge and their potential for future technologies**

5 Days - Post-conference - Starting point: Freiberg (Free State of Saxony) / Germany

Leader: Th. Seifert - thomas.seifert@mineral.tu.freiberg.de

● **FIELD TRIP 6. The Carpathians porphyry and epithermal deposits, Romania**

4 Days - Post-conference - Starting point: Cluj Napoca International Airport (Avram Iancu), Romania

Leaders: C. Tamas, L. Bailly, S. Udubasa and A.S. André-Mayer - calingtamas@yahoo.fr

● **FIELD TRIP 7. Epithermal and porphyry deposits of the lesser caucasus (Georgia and Armenia)**

8 Days - Pre-conference - Starting point: Yerevan, Armenia

Leaders: Robert Moritz (Geneva, Switzerland) - Nino Popkhadze (Tbilisi, Georgia)- Arman Vardanyan (Yerevan, Armenia)  
robert.moritz@unige.ch

● **FIELD TRIP 8. Cu-Pb-Zn-Fe mineralizations, geology and archaeology of the Lavrion area, Greece**

3 Days - Post-conference - Starting point: Athens international airport

Leaders: A. Tarantola, O. Vanderhaeghe, D. Morin, Ch. Scheffer, A. Photiades, P. Voudouris - alexandre.tarantola@univ-lorraine.fr

● **FIELD TRIP 9. Central Pyrenees metallogenic belt: Salau (W-Au), Luzenac (Talc), MVT (Pb-Zn)**

2 Days - Post-conference - Starting point: Toulouse

Leaders: S. Salvi and D. Béziat - stefano.salvi@get.obs-mip.fr

● **FIELD TRIP 10. One day excursion around Nancy**

1 Day - Post-conference - Friday 28<sup>th</sup> August

10A. Ste Marie-aux-Mines (Co-Ni-Ag old mines)

maryse.ohnenstetter@univ-lorraine.fr

10B. Varangéville salt mine - Salins du midi

anne-sylvie.andre@univ-lorraine.fr

10C. ANDRA nuclear waste underground laboratory

jerome.sterpenich@univ-lorraine.fr

● **FIELD TRIP 11. W-Sn and Au deposits in NW Iberia, Spain and Portugal**

5 Days - Post-conference - Starting point: Porto

Leaders: F. Tornos, J. Relvas, A. Pinto - jrelvas@fc.ul.pt - ftornos@cab.inta-csic.es

● **FIELD TRIP 12. Polish Kupferschiefer**

3 or 4 days - Post-conference - Starting point: to be confirmed

## STUDENTS

Students working on ore deposits and metal cycle are encouraged to submit abstracts and present their results at the 13<sup>th</sup> SGA Biennial Meeting in Nancy. The meeting will be a great opportunity for students to interact with leading scientists, other young researchers and industry representatives in an inspiring and informal environment.

Attractive benefits, such as grants and awards are offered to students to encourage their participation in SGA2015. The registration fee for all students is at a reduced level, with the lowest registration fee (200 €) offered to SGA student members.

● **Student grants**

To support the participation of students at the conference, a limited number of grants are available for SGA students who are senior authors of accepted abstracts. Priority will be given to students from economically disadvantaged countries.

Deadline for SGA grant application: 28<sup>th</sup> February 2015

Notification of student grants awards: 15<sup>th</sup> May 2015

● **Free excursions**

Several pre- and post-meeting excursions are being organized and limited number of free registrations (one per trip) will be offered to students.

Deadline for SGA free field trip application: 28<sup>th</sup> February 2015

Notification of student free field trip: 15<sup>th</sup> May 2015

● **Student Awards**

The best student oral and poster presentation will be awarded a certificate and a prize of 250 €.

● **Contacts**

Do not hesitate to contact the Student Committee members if you have any questions, comments or suggestions.

● **The SGA Student Committee**

Anna Vymazalová (anna.vymazalova@geolog.cz)

Jorge Relvas (jorge.relvas@fc.ul.pt)

● **Student SGA2015 Local Organizing Committee**

Francois Turlin (francois.turlin4@etu.univ-lorraine.fr)

Guillaume Barré (guillaume.barre1@etu.univ-lorraine.fr)



# SGA STUDENT CHALLENGE!

NEW

## New!! An exploration challenge for Student Chapters!

Defend your Student Chapter colours in the first-ever edition of the «SGA Student Chapter Exploration Challenge!»

In teams of three, students will battle it out in a 12-hour mining exploration project.

Each team will be assigned a sector to prospect. Using a computer with ArcGIS installed, and the available geological and geophysical data for the sector, teams will be required to:

- Target a mining property
- Develop a detailed mining exploration program for their chosen metal, selected on the basis of the geological context
- Produce a detailed report in the form of a presentation (max. 20 slides).

Join in or support your team on Wednesday 26<sup>th</sup> August, 8 am to 8 pm!

## REGISTRATION

On-line registration will be open from 15<sup>th</sup> January 2015 until 31<sup>st</sup> May 2015 for early-bird registration.

REGISTRATION FEES	Before May 31 2015	After May 31 2015
SGA member	470 €	520 €
Non member	575 €	625 €
Student, SGA member	200 €	250 €
Student, non member	250 €	300 €
Accompanying person	50 €	75€

Fees for delegates and students include:

- Admission to all scientific and plenary sessions
- Morning and afternoon refreshments
- Ice-breaker party
- Cheese and wine party – Poster session 1
- Beer and “charcuterie” party – Poster session 2
- All meeting materials including the final program and conference abstract volume in digital format.

## IMPORTANT DATES

15<sup>th</sup> January  
Abstract submission open  
On-line registration open

28<sup>th</sup> February 2015  
Abstract submission  
and on-line registration closed

1<sup>th</sup> April 2015  
Final versions of revised abstracts  
due from authors

1<sup>st</sup> May  
Notification of final acceptance  
or rejection of abstracts

31<sup>st</sup> May  
Deadline for early-bird registration

1<sup>st</sup> July 2015  
Detailed schedule  
with presentations and posters

## SPONSORSHIP AND EXHIBITION

Please contact  
the Local Organizing Committee  
for further discussion and  
information regarding the  
sponsorship opportunities:  
[sga2015-contact@univ-lorraine.fr](mailto:sga2015-contact@univ-lorraine.fr)



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