

Advanced Applied Structural Geology



PROFESSIONAL TRAINING COURSE
27 July to 1 August 2026,
Yamoussoukro, Côte d'Ivoire



This training course equips geologists with the tools and confidence to apply structural geology in a mining environment. Participants will learn how sound structural interpretation, even from relatively small datasets, can significantly improve the understanding of ore deposits and mineral systems.

It is designed for geologists who wish to build on their existing knowledge of structural geology and expand their expertise in structural analysis of ore deposits.

The course covers fundamental principles of structural geology, with an emphasis on:

- Faults and shear zones.
- Folds.
- Structural controls on ore shoot location and geometry.
- Tectonic settings.
- Geophysical expression of common structures.
- Applications in mineral exploration and resource evaluation.

The training also includes advanced topics such as:

- Applied structural interpretation of geophysical data.
- Digital measurement techniques.
- Visualisation and analysis of structural data.

The program combines lectures, classroom exercises, and field-based activities (pit mapping and core logging) to ensure practical application of concepts.

Why Attend

- Gain practical skills to confidently interpret structural data in exploration and mining projects.
- Enhance your analytical abilities for resource evaluation and mine planning.
- Learn to apply advanced structural geology concepts to real-world datasets.
- Network with experienced geologists and peers.

What you will learn

- Identification and mapping of key structural features.
- Mine-scale structural mapping techniques.
- Integrate structural observations with geological and mineral system understanding
- Interpret geophysical datasets in an applied context.
- Analysis of structural data.
- Add value to exploration and mining decision-making through informed structural interpretation.

Program

Let us know if you require transport between Abidjan and Yamoussoukro (in either direction).

Day	Course Elements
Day 1 Monday 27/07	Lecture 1: Back to basics Lecture 2: Structural mapping tools and techniques Lecture 3: Structural geology, fluid flow and ore deposit formation Lecture 4: Faults and shear zones Practical 1
Day 2 Tuesday 28/07	Lecture 5: Mapping folds Practical 2 Practical 3
Day 3 Wednesday 29/07	Lecture 6: Structural evolution, early architecture and mineralisation Practical 4
Day 4 Thursday 30/07	Early morning depart to Mine site. Field exercise 1 : Pit mapping Return to Yamoussoukro
Day 5 Friday 31/07	Early morning depart to Mine site. Field exercise 2: working with drill core Return to Yamoussoukro
Day 6 Saturday 01/08	Field exercise 3: Field work synthesis and data analysis 14h - depart to Abidjan

To bring

Field trip equipment (High visibility long sleeve shirt, steel cap shoes, long pants, safety glasses, hat) compass, scribe pen, field book or notebook.

Information

Date: 25 July to 1 August 2026

Duration: 6 days.

Venue: The venue in Yamoussoukro will be confirmed at a later stage

Time: From 9:00 to 17:00, except for the field days.

Language

French and English

Course leaders



Nicolas Mériaud: Research Associate at the Centre for Exploration Targeting (CET), UWA. He completed his PhD at the CET as part of the West African Exploration Initiative (WAXI3), focusing on the Yaouré gold deposit in Yamoussoukro, Côte d'Ivoire, in 2019. Since then, Nicolas has worked in the mineral exploration industry, focusing on gold and lithium in Western Australia. In 2025, he returned to the CET to develop research projects on high-grade gold mineralisation and the structural controls of lithium pegmatite deposits.



Mahamadou Diallo: is an Associate Professor at the École Nationale d'Ingénieurs Abderhamane Baba Touré (ENI-ABT) in Bamako, Mali. He completed his PhD at Géosciences Environnement Toulouse (GET) as part of the West African Exploration Initiative (WAXI-3), focusing on the tectonic architecture of the Kédougou–Kéniéba Inlier in western Mali, in 2019. Since then, Mahamadou has worked as a lecturer and researcher at ENI-ABT, where he has led research on the structural characterisation of the Senegalo-Malian Shear Zone as part of the West African Exploration Initiative (WAXI-4).

Registration Fees

For the full 5 days of training, including training materials, lunch, morning and afternoon tea and transport to Yamoussoukro and back and to the mine site US\$ 2,600.00 per attendee. Any applicable country withholding taxes will be added to ensure the net amount is received.

Registration Deadline

10 June 2026 - Register using the form on the next page. Please join a copy of the participant(s) passport with the registration.

Certificate of Attendance

Upon completion, participants will receive a certificate of attendance.

Transport to Yamoussoukro and Back

Transport will be provided for participants who wish to use it to travel from Abidjan to Yamoussoukro on Sunday, 26 July 2026, and return to Abidjan on Saturday, 1 August 2026. Participants are also welcome to make their own travel arrangements if they prefer.

Please indicate if you require transport when registering.

Enquiries

Info@agate-project.org

The full 2026 training programme is available on the Agate Project website.

<https://agate-project.org/training-courses/short-courses/>

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Please complete this form and email it to: Corinne.Debat@agate-project.org

Before the 10 June 2026

Company Information

Company

Address

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Entity to invoice

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Administrative Email contact

Participants

Total number of Participants

Attendee Name + email.(First name and surname)

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Attendee Name + email.(First name and surname)

.....

Attendee Name + email(first name and surname)

.....

Attendee Name + email(first name and surname)

.....

Fees and Currency

	US\$	AU\$
Select your preferred invoicing currency		
Base registration Fee	2,600.00	<u>3,750.00</u>

Withholding Tax if applicable	%

Request for transport:

Scanned copy of the participant's passport (for access to mine site)

The organisers reserve the right to cancel the training if the minimum requirement of 12 participants is not met.