Course on SAR interferometry

Practical training with the GAMMA software

26 – 30 April 2027

SAR interferometry (InSAR) is an established technique that allows mapping terrain heights and surface deformation. Our course addresses theoretical aspects of SAR interferometric processing as well as practical approaches supported by GAMMA's Software modules (ISP, DIFF&GEO). Topics related to SAR and InSAR processing will be treated (generation of intereferogram, phase unwrapping, geocoding and differential interferometry).

The course covers the following aspects

- Principles of SAR and interferometric SAR processing (*theory*)
- Basic SAR and InSAR processing including geocoding (*hands-on*)
- Advanced processing techniques (*hands-on*)
- Practical examples (*hands-on*)

This course is suited to participants who

- are interested in SAR interferometry and would like to learn processing with the GAMMA software
- are familiar with InSAR processing using the GAMMA Software and require more in depth knowledge of the software processing capabilities

The course will be held by GAMMA personnel and will take place on-site (at GAMMA). Course language is English.

Schedule (all times are CET)

Mon., 26 Apr	13:00 – 16:00	Introduction to GAMMA Software
Tue.,27 Apr	09:00 – 16:00	Image geocoding
Wed., 28 Apr	09:00 – 16:00	Differential interferometric processing
Thu., 29 Apr	09:00 – 16:00	Processing of Sentinel-1 data, processing examples
Fri., 30 Apr	09:00 – 12:00	Processing examples, scripting

Location

GAMMA Main Office is in Gümligen, near Bern, Switzerland. GAMMA is reachable with public transport from Bern. Detailed information on travel options, accomodation and course logistics will be circulated upon registration.

Course fees

Regular: 3000 Swiss Francs (CHF) **Student: 2250 Swiss Francs (CHF)**

The fee includes course material. If on site, the training includes lunches and a social event. Participants are required to have own insurance. Registration is required as number of participants is limited. Please use the application form.

Contact

For more information, please contact

Dr. Maurizio Santoro, E-mail: santoro@gamma-rs.ch, Tel: +41–(0)31–9517005.

GAMMA REMOTE SENSING

Application form

Course on SAR interferometry
Principles, data processing and applications

26 – 30 April 2027 (5 days)

To register, please fill in the application form and send it back per email to santoro@gamma-rs.ch.

Participation will be confirmed upon reception of the application form**.** Thereafter, an invoice will be sent.

If you have any request or comment, please report it in the comments box below.

Family name: _____

First name: _____

Title (Dr., Prof.): _____

Institute: _____

Department: _____

_____

Address: _____

_____

Phone number: _____

E-mail: _____

Please select as appropriate Regular ☐ Student ☐

Comments	
Herewith I confirm that the information provided in this application is correct. In case of withdrawal from the course, please inform GAMMA Remote Sensing as soon as possible, and no later than 10 April 2027.	

Date Signature of participant

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