

# Course on SAR interferometry

## *Practical training with the GAMMA software*

**21 - 24 November 2017 (4 days)**

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 (MSP, ISP, DIFF&GEO). Topics related to SAR and InSAR processing will be treated (generation of interferogram, phase unwrapping, geocoding and differential interferometry).

**NOTE: The 4th day is specific to Sentinel-1 data processing. Participants can choose to join for the 4th day only as well.**

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 (e.g. phase unwrapping) (*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. Course language is English.

### **Schedule**

Tue., 21 Nov	9:00 – 17:00	Introduction to GAMMA Software, image geocoding
Wed., 22 Nov	9:00 – 17:00	Interferometric and differential interferometric processing
Thu., 23 Nov	9:00 – 17:00	Interferometric and differential interferometric processing
Fri, 24 Nov	9:00 – 17:00	Processing of Sentinel-1 data

### **Location**

GAMMA Main Office is in Gümligen, Bern. GAMMA is reachable with public transport (tram, local train) from Bern. Information will be provided upon registration. For accomodation visit <http://www.berninfo.com>.

### **Course fees**

<b>4 days</b>	<b>Regular: 3000 Swiss Francs (CHF)</b>	<b>Student: 2250 Swiss Francs (CHF)</b>
<b>Sentinel-1, one day only</b>	<b>Regular: 750 Swiss Francs (CHF)</b>	<b>Student: 550 Swiss Francs (CHF)</b>

The fee includes course material and all lunches. The fee for 4 days covers 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

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