DGG/EAGE Workshop on Airborne Geophysics
New Technologies in Hardware and Interpretation

27 March 2015
Hannover, Germany
About the workshop

Airborne geophysics is well established in many fields of geoscientific investigations, covering geo-engineering, environmental observations, mineral and hydrocarbon explorations, studies in tectonics, geodesy and more. Geophysical and remote sensing equipment has become smaller and smarter, thus new platforms like ultra-light aircraft, gyrocopters and unmanned airborne vehicles (UAV) are now popular. Consequently, a large variety of aircraft ranging from large-scale fixed wing planes and helicopters to miniaturized UAVs is available within the scientific and commercial community. The workshop will highlight new developments in geophysical and remote sensing exploration equipment and new airborne platforms, discussing their pros and cons as well as their different fields of applications.

The second topic of the workshop focuses on the evaluation, processing and interpretation of airborne data. The vast amount of data from large-scale regional airborne surveys requires optimized processing tools to assure and enhance data quality. Moreover, the latest sensing technologies demand new and enhanced processing algorithms. For many applications, airborne data are not only handled in a stand-alone manner but are combined with other data sets such as remote sensing satellite data. Consequently, innovative approaches and new numerical strategies are needed to process and interpret airborne data sets individually and also to apply joint inversions, intelligent multiple map imagery and other approaching techniques. The workshop will present the upcoming aspects of airborne data handling.

Aim of the workshop

The aim of the workshop is to present an overview of currently available airborne platforms from small UAVs up to helicopters and large fixed wing aircrafts available for the geoscientific community, especially for applications in geophysics. Operators, related software developers and users are invited to meet and discuss the latest technologies in platform, hardware and software products.

Venue

The EAGE/DGG Workshop on Airborne Geophysics will take place at the GeoZentrum in Hannover.

GeoZentrum Hannover
Stillweg 2
30655 Hannover, Germany

Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Uwe Meyer (Chair)</td>
<td>Bundesanstalt für Geowissenschaften und Rohstoffe (BGR), Germany</td>
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<td>Esben Auken</td>
<td>Aarhus University, Denmark</td>
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<td>Leibniz-Institut für Angewandte Geophysik (LIAG), Germany</td>
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<td>Fausto Ferraccioli</td>
<td>British Antarctic Survey (BAS), United Kingdom</td>
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Technical programme

The workshop will consist of two sessions with six talks each by invited speakers:
- Geophysical Exploration using Small-scale to Large-scale Platforms
- New Methods and Techniques for Data Interpretation and Evaluation

Important dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Registration Open</td>
<td>15 November 2014</td>
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<tr>
<td>Deadline Early Registration</td>
<td>01 February 2015</td>
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<tr>
<td>Deadline Late Registration</td>
<td>15 March 2015</td>
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<td>Deadline Registration</td>
<td>27 March 2015</td>
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Registration fees

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<th>Until 01/02/2015</th>
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<th>Until 27/03/2015</th>
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<tr>
<td>EAGE/DGG Member</td>
<td>€ 185</td>
<td>€ 195</td>
<td>€ 215</td>
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<tr>
<td>Non-Member(^1)</td>
<td>€ 235</td>
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<tr>
<td>EAGE/DGG Student(^1)</td>
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<td>Student Non-Member(^1,2)</td>
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<td>€ 85</td>
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\(^1\) To qualify for the reduced registration fee, a copy of your student identification card for a geoscience institute must be submitted together with this registration form.

\(^2\) The non-member fee includes EAGE membership for the remainder of 2014. Please note that EAGE reserves the right to cancel the workshop due to low participation. In this case, payment will be refunded in full.

How to register

We recommend that you register via the online registration form on the EAGE website (www.eage.org). However, a downloadable registration form, which should be completed and returned to the EAGE Europe Office, is also available on the EAGE website.

Sponsorship

The EAGE/DGG Workshop offers a range of high-visibility sponsorship opportunities. For more information please contact us at sponsoring@eage.org.

Contact

For further up-to-date information, please visit the workshop website www.eage.org/event/dgg-2015 or contact the EAGE Europe Office at +31 88 9955055.

We hope to see you in Hannover!