



## TICKET OPTIONS | CONFERENCE PROGRAM | EXHIBITORS | YOUR VISIT

Dear Sir or Madam,

It's time again for innovations, exchange and new impulses! The **geospatial community** will meet from **October 18-20, 2022** in the exhibition halls of **Essen** for **INTERGEO 2022**.

From international industry leaders like Hexagon and Trimble to start-ups like 5D Scan Worldwide. **Around 400 exhibitors** are looking forward to entering into personal exchange with you.

Once again this year, the INTERGEO Conference reflects the motto "**Inspiration for a smarter World**" in all its facets. It will highlight current developments in surveying: **from spatial reference and positioning to 4D geodata and Geospatial IoT to mobile mapping applications**.

Trend topics such as **Building Information Modeling (BIM)** and the diverse application possibilities of the **Digital Twins**, but also the current **requirements for the Smart City** and rural areas have their fixed place in the Conference.

In the context of climate change, the digital collection of data via remote sensing satellites, UAV, TLS or other sensors offers **opportunities and solutions for the more sustainable interaction of humans with nature**. The focus is equally on tomorrow's **technology trends** and the importance of **digital realities**.

Don't miss the most important meeting of the geospatial industry in 2022 and be part of the **international networking, exchange and dialogue** at INTERGEO 2022.

Discover now the different **options** for your Conference participation now!

Become part of the **CONFERENCE**

## CONFERENCE PROGRAM INTERGEO 2022

### Excerpt from the topic block: **GEODETTIC SENSING FOR SUSTAINABILITY APPLICATIONS**



DR. KARINA WILGAN  
TU Berlin

#### **GNSS FOR WEATHER AND CLIMATE STUDIES**

Impulses for discussion: 1. GNSS Meteorology is a method of obtaining the meteorological parameters, especially water vapor, using the Global Navigation Satellite Systems (GNSS). 2. The GNSS tropospheric estimates are being operationally assimilated by the weather services (e.g., DWD, MetOffice, Meteo France), improving the weather forecasts. 3. The GNSS time series are now sufficiently long (over 30 years) to obtain the meteorological information also for climate studies.

### Excerpt from the topic block: **GRAVITY FIELD / GEODETTIC REFERENCE SYSTEMS AND EARTH ROTATION**

PROF. MICHAEL SCHINDELEGGER  
University of Bonn

### GEOPHYSICAL EXCITATION OF EARTH'S WOBBLES AND LENGTH-OF-DAY VARIATIONS, 2006 TO 2015

Mass motion and redistribution in geophysical fluids excite Earth's wobbles and length-of-day changes with varying efficacy on different time scales. While atmospheric contributions to these rotational fluctuations are relatively well constrained through reanalysis datasets, uncertainties increase as one invokes – apart from the often elusive core processes – oceanic, hydrological, and cryospheric effects in the planet's angular momentum budget. We provide an overview of contemporary modeling approaches as to these more uncertain excitation sources, highlight some pros and cons of available excitation series (e.g., ocean state estimates vs. ocean reforecasting products), and discuss their “skill” in comparisons against rotation data from daily to interannual time scales.



### Excerpt from the topic block: GRAVITY FIELD / GEODETIC REFERENCE SYSTEMS AND EARTH ROTATION



ZHIJUN LIU  
Helmholtz-Centre - GFZ

### OCEAN CIRCULATION ENSEMBLE SIMULATIONS FOR EARTH ORIENTATION PARAMETER ANALYSIS

The road to Digital Transformation in AEC requires interoperable, accessible, and accurate streams of information to enable Digital Twins, Smart Assets, and Smart Cities. The complexity of linear infrastructure, the environmental impact and the size of projects require the talents of Design and Geospatial (GIS) experts. This session highlights how GIS and BIM teams successfully integrate Esri and Autodesk solutions bringing value to all teams and stakeholders.

To the CONFERENCE Program



### Turn Essen into a geodesy hotspot!

Restaurants, bars and pubs in Essen- Rüttenscheid invite you to celebrate INTERGEO on October 18!

Be part of the [INTERGEO City Night!](#)

Visit the locations we have selected - meet colleagues, like-minded people and alumni you haven't seen for a long time on the occasion of INTERGEO City Night. Celebrate many a reunion and make new acquaintances. Use the INTERGEO CITY Night to network.

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## INTERGEO-SERVICE

DENISE WENZEL

Head of Content

Tel.: +49 721 93133 - 730

E-Mail: [dwenzel@hinte-marketing.de](mailto:dwenzel@hinte-marketing.de)

CORINNA BIETZKER

Head of Marketing

Tel.: +49 (0)721 831424 - 490

E-Mail: [cbietzker@hinte-marketing.de](mailto:cbietzker@hinte-marketing.de)

[PRIVACY](#) | [IMPRINT](#) | [CONTACT](#)

© 2022 HINTE GmbH | Bannwaldallee 60 | 76185 Karlsruhe

Geschäftsführer: Christoph Hinte

Amtsgericht Mannheim, HRB 100948

Tel.: +49 (0)721 93133-0 | Fax: +49 (0)721 93133-110

[info@hinte-messe.de](mailto:info@hinte-messe.de) | [www.hinte-messe.de](http://www.hinte-messe.de)

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