



## 10<sup>th</sup> International Multidisciplinary Scientific GeoConference & EXPO **SGEM 2010**

Modern Management of Mine Producing, Geology and Environmental Protection

20.06.2010 - 26.06.2010

Congress Centre "Flamingo Grand", Albena Resort, Bulgaria

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### Our overall objectives:

To work together for  
a better,  
more cleanly and  
more beautiful place,  
where our children  
will grow up.  
**A place known as  
the Planet Earth.**

To contribute to the  
integration of  
environmental  
consideration into the  
decision-making  
process with the aim  
to ensure that  
present consumption  
will not compromise  
the ability of future  
generations to meet  
their needs.

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[www.sgem.org](http://www.sgem.org)  
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**S**urveying  
**G**eology & mining  
**E**cology  
**M**anagement

The Multidisciplinary GeoConference will bring together researchers, educators, and practitioners representing research and educational institutions, companies, government agencies and consulting organizations from all over the world to exchange of ideas, to define the research priorities and to propose potential solutions of problems related to the global changes.

### International Multidisciplinary Scientific GeoConference aims are:

- To provide the best platform for knowledge and experience shearing in the field of geosciences;
- To incorporate and strengthen the capacity of geo-scientists for facing the challenges of our time;
- To give the opportunities for future co-operation;
- To emphasize the role of multidisciplinary approach in revealing and solving the environmental problems in local, regional and global scale;
- To outline research direction, identify, report, and disseminate issues and/or problems in geo-sciences applications;
- To discuss the new developments and technologies in surveying geology and mining, ecology, and management, in order to ensure the sustainable use of natural resources.

**SGEM International Multidisciplinary Scientific GeoConference and Expo is organized under the auspices of Ministry of environment and water, Bulgaria. Main organizers are the Academies of Sciences of the following countries: Bulgaria, Czech Republic, Iran, Latvia, Poland, Russia, Serbia, Slovakia, Ukraine, and also the Bulgarian Industrial Association.**

### JOIN OUR

**SCIENTIFIC SESSIONS,**

**WORKSHOPS &**

**EXPO this June!**

## SCIENTIFIC SESSIONS

Scientific reports will be presented during 5 conference days in respective session.

- **Parallel scientific sessions grouped by sections.** Besides conference Hall FLAMINGO GRAND which capacity is 250 seats, another 2 new conference halls will be available;
- **Separated MD/PhD sessions;**
- **Poster sessions.**

### SGEM Conference Proceedings

/includes abstracts + full papers/

ISBN 10: 954-91818-1-2

ISBN 13: 978-954-91818-1-4

Conference Proceedings Citation Index by Thomson Reuters

NOMINATED PAPERS will be included into CROSSREF database



## THEMES

1. Geology
2. Hydrogeology, Engineering Geology and Geotechnics
3. Exploration and Mining
4. Mineral Processing
5. Oil and Gas Exploration
6. Applied and Environmental Geophysics
7. Geodesy and Mine Surveying
8. Photogrammetry and Remote Sensing
9. Cartography and GIS
10. Informatics
11. Geoinformatics
12. Micro and Nano Technologies
13. Hydrology and Water Resources
14. Marine and Ocean Ecosystems
15. Forest Ecosystems
16. Soils
17. Air Pollution and Climate Change
18. Renewable Energy Sources and Clean Technologies
19. Nuclear Technologies
20. Ecology and Environmental Protection
21. Recycling
22. Environmental Economics
23. Education and Accreditation
24. Environmental Legislation, Multilateral Relations and Funding Opportunities

To learn more about conference scientific topics and subtopics, please visit [www.sgem.org](http://www.sgem.org) > TOPICS

## WORKSHOPS

**Thematic workshops** will be conducted as a parallel to the conference scientific sessions.

1. **GEOLOGY AND MINING:** investigations and contemporary development;
2. **GEODESY AND REMOTE SENSING:** advanced technologies in Earth observation and land use;
3. **DIGITAL CARTOGRAPHY AND GIS:** tools for interpretation and assessment of environmental data;
4. **CLIMATE CHANGE:** mitigation and adaptation;
5. **RENEWABLE ENERGY:** advances and limitations;
6. **WATER RESOURCES VULNERABILITY AND MANAGEMENT** in the context of global change;
7. **HYDROGEOLOGY, ENGINEERING GEOLOGY AND GEOTECHNICS;**
8. **WASTE MANAGEMENT:** to protect human health and the environment against harmful effects of waste;
9. **MICRO AND NANOTECHNOLOGY:** safe, integrated and responsible development;
10. **EDUCATION** and opportunities for bilateral and multilateral university/research institutes cooperation.

## EXPO

**The concurrent SGEM Expo**, related to the conference topics, is an excellent opportunity to promote company and to meet potential clients and business partners.

1. **GEODESY**  
You can present your work and results in the fields of Geodesy and Mine Surveying, Photogrammetry and Remote Sensing;
2. **CARTOGRAPHY AND GIS**  
You can present your work and results in the fields of Research and development, New Products and Cartographic Systems, Specialized GIS;
3. **INFORMATICS AND GEOINFORMATICS**  
You can present your work and results in the fields of Programming Languages and Techniques, Software Development and Engineering, CAD, Geospatial Data and GIS Services, Integrated Multi-Sensor Navigation Systems;
4. **EXPLORATION AND MINING**  
You can present your work and results in the fields of Hydrogeology, Engineering Geology and Geotechnics, Modern Technologies in the Mining Industry, Work safety, Mineral Processing, Oil and Gas Exploration;
5. **MINE EQUIPMENT AND MASHINERY**  
You can present Modern Technologies and Techniques, New Machinery and Equipment in the field of Mineral Exploration Industry;
6. **ECOLOGY**  
You can present your work and results in the fields of Ecology and Environmental Protection, Air Pollution and Climate Change, Renewable Energy Sources and Clean Technologies, Recycling, Environmental consulting activity, Marine and Ocean Ecosystems, Forest Ecosystems, Soils;
7. **SCIENCE AND INNOVATIONS**  
You can present your latest researches, scientific work and results, share your best innovation ideas.

## **PARTICIPATION FORMS AND FEES**

<b>Participation Forms</b>	<b>Fee (Euro)</b>	<b>Included</b>
<b>Delegate</b>	<b>299</b>	Attendance at scientific sessions; admission to the exhibition halls; admission to the workshops halls; Conference proceedings; participant present set; welcome reception; national dinner; conference coffee/tea-breaks; conference field trip; certificate awarding & closing reception
<b>Lecturer</b>	<b>279</b>	Attendance at scientific sessions; admission to the exhibition halls; admission to the workshops halls; paper publishing in the Conference proceedings; Conference proceedings; participant present set; welcome reception; national dinner; conference coffee/tea-breaks; conference field trip; certificate awarding & closing reception
<b>Student</b> (a certificate from the University is needed)	<b>249</b>	Attendance at scientific sessions; admission to the exhibition halls; admission to the workshops halls; paper publishing in the Conference proceedings; Conference proceedings; participant present set; welcome reception; national dinner; conference coffee/tea-breaks; conference field trip; certificate awarding & closing reception
<b>EXPO</b>	<b>349</b>	<b>2 participants + 4 sq.m. exhibition area</b> Attendance at scientific sessions; admission to the exhibition halls; admission to the workshops halls; Conference proceedings; participant present set; listing in the final conference program; welcome reception; national dinner; conference coffee/tea-breaks; conference field trip; certificate awarding & closing reception
<b>Promotion of a company</b>	<b>279</b>	Attendance at scientific sessions; admission to the exhibition halls; admission to the workshops halls; Conference proceedings; participant present set; listing in the final conference program; welcome reception; national dinner; conference coffee/tea-breaks; conference field trip; certificate awarding & closing reception.
<b>Paper publisher</b> (without presence at the conference venue)	<b>119</b>	Paper publishing in the Conference proceedings; Conference proceedings; post expenditure for delivering the proceedings.
<b>Accompanying person</b> (wife or husband)	<b>99</b>	Welcome reception; national dinner; conference coffee/tea-breaks; conference field trip; certificate awarding & closing reception; 2 additional social events.

**N.B. Only for participants with papers** - in case of late registration, after 10<sup>th</sup> of May 2010, the registration fees will be increased with 10%. Conference proceedings will consist only papers from authors with finalized registration (realized payment) within due deadlines. **Other payments at the conference venue will be realized by exception, with 10% over the respective fee.**

**There are special DISCOUNTs from the Conference Fee for GROUP PARTICIPATION!**  
**Other Discounts are possible too!** For more details, please contact us: [sgem@sgem.org](mailto:sgem@sgem.org)

DEADLINES	CONFERENCE GENERAL SCHEDULE
<p><del>10 March 2010</del>/<b>29 March 2010</b> - Abstract submission <b>EXTENDED</b></p> <p><b>10 May 2010</b> - Full paper submission</p> <p><b>10 May 2010</b> - Registration and payment for participants WITH PAPERS</p> <p><b>20 May 2010</b> - Poster submission</p> <p><b>11 - 20 May 2010</b> - LATE Registration and payment for participants WITH PAPERS (registration fee +10% in addition)</p> <p><b>Till Opening Day</b> - Registration and payment for DELEGATES &amp; other participants</p> <p><b>Registration at the conference venue</b> (by exception) - registration fee +10% in addition</p>	<p><b>20 June 2010</b> – Check in participants</p> <p><b>21 June 2010</b> – Official opening</p> <p><b>21 – 25 June 2010</b> – Scientific sessions, Workshops, Exhibition</p> <p><b>25 June 2010</b> – Certificate awarding and closing reception</p> <p><b>26 June 2010</b> – Field Trip</p>

### CONFERENCE HALLS

- **FLAMINGO GRAND** – main conference hall, capacity is 250 seats;



- **ARA HALL** – 165 seats



- **JACO HALL** – 80 seats



### LOCATION

Congress Centre Flamingo Grand<sup>\*\*\*\*\*</sup>, Albena Seaside & Spa Resort, **BULGARIA**

**Albena** is one of the most beautiful sea and spa resorts on the Bulgarian Black sea coast.



In the last years it strengthens its position as one of the leading congress/conference location in Bulgaria. The resort is situated about 30 km away from Varna city, the sea capital of Bulgaria.

Albena is remarkable for its 6-km long beach and picturesque hills with exciting views of the sea and the "Balata" National Reserve.

[Click to view in Google!](#)

## ACCOMMODATION

If you would like to book a hotel you could benefit our offer listed below:

HOTELS	STAR	TYPE	DOUBLE ROOM (Euro/per night)	SINGLE ROOM (Euro/per night)
Flamingo Grand	5*/ Central Zone	BB	€ 180	€ 100
Flamingo, <a href="#">Laguna Beach</a> , Laguna Mare	4*/ 1st line	BB	€ 90	€ 58
Laguna Garden <a href="#">Arabella Beach</a> , Gergana, Mura	4*/ 1st line	AI	€ 115	€ 72
Boriana, Nona, Elitsa	3* + Lux/ 1st line	AI	€ 99	€ 69
Orlov, <a href="#">Kaliopa</a>	3* + Lux/ 1st line	BB	€ 75	€ 52
Orhidea (Park), Magnolia	3* + Lux	AI	€ 89	€ 51
Ralitsa, Vita Park, Com	3* + Lux	UAI	€ 100	€ 68
Kompas, Panorama	3* + Lux	UAI	€ 94	€ 59
Dobrudja /not renovated/	3* / Central Zone	BB	€ 50	€ 32
Drujba, Dorostor	3* / Central Zone	BB	€ 50	€ 32

**BB** (Bed+Breakfast); **AI** (All Inclusive); **UAI** (Ultra All Inclusive)

You have the possibility to choose a hotel by name till the **1st of May 2010** (payment till that date is required). After that date you could make a hotel booking only by hotel type, star/zone and room (double/single), the accommodation will be arranged upon the availability. *Please book early to ensure that your first choice is available.*

There are some special **HOTEL discounts** for SGEM participants:

### 4 NIGHTs PACKAGE

✓ **4% DISCOUNT** from the hotel prices;

### 5 NIGHTs PACKAGE (book a hotel for 5 or MORE nights)

✓ **5% DISCOUNT** from the hotel prices;

✓ **50% DISCOUNT** from the arrival transport;

✓ **Special reduction in the prices of many entertainment services in Albena Complex** (riding, paintball, tennis, carting, fitness, spa-procedure and many more).

### SUMMER PACKAGE (for you and your family)

✓ **Special DISCOUNTs** from the hotel prices and more till **August 31, 2010** - for more information please ask by e-mail [sgem@sgem.org](mailto:sgem@sgem.org)

For more information please contact us [sgem@sgem.org](mailto:sgem@sgem.org) or visit [www.sgem.org](http://www.sgem.org)

**SOCIAL EVENTS**

**FOLKLORE DINNER PARTY, 22 June 2010**



**CONFERENCE TRIP: NESSEBAR ANCIENT TOWN, 26 June 2010**



**SOCIAL PROGRAMME FOR ACCOMPANYING PERSONS**



**VARNA SIGHTSEEING BUS & SHOPING TOUR**  
(free for accompanying person; additional fee is required for other participants)



**BALCHIK GARDEN TOUR**  
(free for accompanying person; additional fee is required for other participants)

## HOW TO FIND US?

### If you travel by plane:

The nearest airport to Albena resort is Varna airport (<http://www.varna-airport.bg/>).

If you travel by plane to Sofia airport (<http://www.sofia-airport.bg/>) you could go to Varna by other plane or by bus.

For your convenience *we can organize SGEM representative to welcome you at the Varna airport/station and take you by car to the SGEM Conference Center in Albena.* The price is 50 Euro - one way: Varna – Albena; and 90 Euro – two way: Varna – Albena – Varna

### If you travel by bus:

You could get Albena by bus via Varna city. There are regular buses from Sofia to Varna (then you have to change the bus and continue to Albena by another one) and also from Sofia directly to Albena. Please have in mind that if you travel by bus from Sofia to Albena not all buses stop at Albena bus station. Many of them pass by Albena resort and stop on the road (circle crossroad on the above map) near to the beginning of the resort where from you have to walk about 1 km to Albena.

The travel from Sofia to Albena by bus will take about 7 hours.

### If you travel by car:

Your main direction should be Varna city and then you should continue to Zlatni Piasatsi resort and to the direction of Balchik following the signs to Albena resort.

## GENERAL INFORMATION

Bulgaria is situated in South-Eastern Europe, central and eastern part of the Balkan Peninsula. Founded in 681 it is one of the oldest states in Europe. Location of Bulgaria on the strategic crossroad between the main roads from West to the East and from North to the South marked his history. The total area of the country is 111 910 km<sup>2</sup> populated by 7.6 million inhabitants.

Bulgaria is a Parliamentary Republic with a one-chamber parliament (National Assembly). The head of State is the President, elected for a five-year term. The Council of Ministers is the central body of executive power. Capital city – Sofia, population about 2 million.

Bulgaria is remarkable with great variety of natural landscapes: vast low lands, high mountains and deep gorges. The country reaches Danube River in the North and Black Sea in the East. The Bulgarian Black Sea coast is famous for its fine sandy beaches and favorable air and water temperature. The average altitude of Bulgaria is 470 m and the highest point is Musala Peak, 2925 m above sea level (situated in Rila Mountain, Western Bulgaria, the highest mountain not only in Bulgaria but also in the Balkan Peninsula).

More than 600 mineral springs are situated over the whole territory of Bulgaria. The coldest one is Shipkovo spring (in the Central Stara Planina Mountain), 18°C and the hottest is Sapareva Banya spring (in the Rila Mountain), 101,3°C. There are also picturesque glacial lakes (in the Rila and Pirin Mountains) as well as nice coastal lakes in the East to the Black Sea.

Bulgaria has a moderate continental climate with Black Sea influence in the east and Mediterranean in the south.

In the last years Bulgarian economy is presented mainly by tourism, light industry and trade.

**Bulgaria is a member state of the EU since 1 January 2007.**