

EILAT 2009

FIG Working Week

Surveyors Key Role in Accelerated Development

New Horizons across the Red Sea



Association
of Licensed
Surveyors in Israel



International
Federation of
Surveyors



Eilat, Israel

3-8 May, 2009

2nd Invitation

Message from the FIG President, Prof. Stig Enemark

Dear Colleague,

The **FIG Working Week 2009 – Surveyors Key Role in Accelerated Development** will be held in Eilat, Israel, 3-8 May 2009. This is the third FIG Working Week and General Assembly under the current Council and at the same time the last before the FIG Congress 2010. This Working Week is hosted jointly by the International Federation of Surveyors (FIG) and the Association of Licensed Surveyors in Israel (ALSI).

The conference will take place in Eilat, a resort city at the Red Sea offering value for the conference slogan *“New Horizons across the Red Sea”*. Eilat offers very good meeting facilities and also opportunities for social activities and relaxation pre- or after the working week. The FIG Council is convinced that the conference will fulfill all expectations in terms of both professional and social aspects.

The professional themes of the Working Week will focus on the overall theme of the Council *“Building the Capacity”* including specific topics from work plans of all ten technical commissions and their working groups as well as issues of special interest to the local surveyors.

On behalf of FIG and its Council I invite you to the **FIG Working Week 2009** to experience the cultural heritage as well as the modern Israel.

I look forward to meeting you all in Eilat.

Prof. Stig Enemark
FIG President



Message from the ALSI President and Chairman of the Organizing Committee, Mr. Joseph Kraus

Dear Colleague,

The Israeli Association of Licensed Surveyors (ALSI) was chosen to host the **FIG Working Week**, 3-8 May 2009.

ALSI selected the city of Eilat as the site for the Working Week.

Eilat, located on the southernmost edge of Israel, is a beach resort of international reputation, with magnificent weather and breathtaking scenery.

ALSI has been working for over two years to organize the professional aspects of the Working Week as well as the social events.

The program will include spectacular nature trips as well as professional tours.

More than 100 countries are represented in FIG. In addition to promoting the surveying profession, we regard FIG assemblies as opportunities to accord between members of various backgrounds.

We believe it would be a great achievement if we succeed to emphasize the common attributes among countries and their representatives.

ALSI invites you to join us in **Eilat Working Week 2009**, and to take part in the professional and social program.

Additional details will be available on the FIG Internet web site.

Yours truly,

Joseph Kraus

President of The Israeli Association of Licensed Surveyors (ALSI)



Message from the Congress Director and the DG Survey of Israel, Dr. Haim Srebro

Dear Colleague,

It is an honor for me as the Congress Director of the **FIG Working Week 2009** to host you jointly with the Federation of Surveyors (FIG) in Eilat.

The **FIG WW 2009** will focus on the themes specified by President Enemark, integrating the themes of the Council and the Commissions. I trust that the FIG technical staff will do a great job with regard to the technical program.

This location assembles some of the best assortments of the surveying profession and its key role in contributing to the land development process and improvement of human lives.

Eilat, located strategically at intersection of Continents, Religions and Cultures presents the diversity of ancient traditions and one of the worlds most advanced high-tech centers. Gathering some of the more attention-grabbing international boundaries, interesting seismological phenomenon, and unique natural environments - it is the perfect scenery for the conference.

FIG WW 2009 will be an opportunity to advance cooperation and integration with global efforts for the development of the world, while protecting the environment and ensuring a better world for the next generations.

We hope that **FIG WW 2009** in Eilat will serve as a bridge between all participants that will help to promote peace in the Middle East and all over the world.

I am certain you will enjoy the relaxed and peaceful environment of Eilat, and the various attractions, tours and social activities.

We will do our best to make **FIG WW 2009** a success; I look forward to seeing you in Eilat.

Dr. Haim Srebro
DG Survey of Israel



Surveyors Key Role in Accelerated Development

Call for Papers

The phenomenon referred to as "**Accelerated Development**" becomes common to many countries. It happens to as a result of various reasons: economical prosperity, reformation of historical trends in social order, basic changes in economic systems, population growth and others. The increased construction activities such as infrastructure, building, etc., are always regarded as basic parts of accelerated development. Likewise are the activities related to land-use, land-tenure and land administration.

In the era of accelerated development, surveyors are strongly faced with professional and intellectual challenges. The increasing value of land available for development in built-up areas, the high expenses and the complexity of buildings, demand more and more sophisticated considerations.

The main participants in the accelerated development procedure are: federal and local ministries, urban planners, architects, road- and transportation planners, real estate experts, land appraisers economists, lawyers, environmental protection professionals - and surveyors.

The surveyor is involved in most stages of development, and he/she, with his/her multidisciplinary knowledge of geodesy, cadastre, surveying, mapping and modern geo-informatics serves as an integrator of the overall project and among all the participating factors. His/her work is crucial to proper interdisciplinary cooperation and to a deeper understanding of each other's professional interests.

Bottom - line: the surveyor has a key role in accelerated development.

Papers are kindly requested according to the principal topics of FIG Technical Commissions: Professional Standards and Practice; Professional Education; Spatial Information Management; Hydrography; Positioning and Measurement; Engineering Surveys; Cadastre and Land Management; Spatial Planning and Development; Valuation and the Management of Real Estate; Construction Economics and Management.

Preliminary Conference Program

| | Sunday 3 May 2009 | Monday 4 May 2009 | Tuesday 5 May 2009 | Wednesday 6 May 2009 | Thursday 7 May 2009 | Friday 8 May 2009 |
|------------------|------------------------------|------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---|
| Morning | | Registration | Opening Ceremony | | | |
| | ACCO Meeting | General Assembly | <i>Exhibition Opening</i> | Plenary Session | Plenary Session | Presidents' Meeting |
| | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> |
| | ACCO Meeting | General Assembly | Plenary Session | Technical Sessions & Technical Tours | Technical Sessions & Technical Tours | General Assembly |
| | <i>Lunch</i> | <i>Lunch</i> | <i>Lunch</i> | <i>Lunch</i> | <i>Lunch</i> | <i>Lunch</i> |
| Afternoon | ACCO meeting | General Assembly | Technical Sessions & Technical Tours | Technical Sessions & Technical Tours | Technical Sessions & Technical Tours | Closing Ceremony |
| | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Coffee Break</i> | <i>Departure for Post- Conference Tours</i> |
| | ACCO Meeting | Commissions Annual Meetings | Technical Sessions & Technical Tours | Technical Sessions & Technical Tours | Technical Sessions & Technical Tours | |
| Evening | | <i>Welcome Reception</i> | | <i>FIG Foundation Dinner</i> | <i>Gala Dinner</i> | |

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Important Dates

FIG WW will be held on 3-8 May 2009. Following are important dates regarding registration and submission of abstracts. For a detailed schedule & information, please refer to the web site: www.fig.net/fig2009

| | |
|----------------------------------|--|
| 15 October 2008 | Online registration opens |
| 30 November 2008 | Deadline for submission of abstracts & full papers for peer review process. Details to be available on the web site. |
| 30 January 2009 | Notification of authors |
| 12 February 2009 | Deadline for early registration |
| From 13 February 2009 | Late registration |
| 27 February 2009 | Deadline for submission of full papers for publishing |

Fees

Registration fees will follow FIG tradition, early-bird rates will be offered, as well as special considerations for students. An attractive accompanying person's program will also be offered, at reduced registration fees.

Registration fees will range from €520 (early registration) to €670 (late registration).





Destination - Eilat

2009 FIG Working Week will be held in the city of Eilat - Israel's "sunshine city" on the Red Sea. A resort town and bustling port, Eilat is just 45 minutes by plane from Tel-Aviv. Nestled between Jordan, Egypt and Saudi Arabia, the city is home to charm and beauty with its turquoise waters and sweeping desert plains.

Eilat offers endless activities including boat trips, underwater observatory, dolphin reef, jeep trips into the depths of the desert, and a unique natural reserve in Timna Park with ancient copper mines and historic Solomon's Pillars. Eilat is a paradise for sea-sports fans to enjoy diving, water skiing, parasailing and swimming, offering world-class facilities and one of the world's most intriguing diving locations.

Eilat is a free trade zone, and offers tax-free shopping in a fine selection of shops and boutiques. For those able to continue into the midnight hours, Eilat offers nightclubs, pubs and restaurants. And for those seeking unique experiences - a day tour to the enchanting red-rock city of Petra, Jordan, will be offered.

Conference Venue and Accommodation

The conference will take place in the state-of-the-art convention centers of Dan Eilat Hotel and Herods Hotel, conveniently located next to each other.

Dan Eilat Hotel - Deluxe ★ ★ ★ ★ ★

A deluxe, central, beach front hotel affording recreation and leisure facilities. The Dan Eilat is a vibrant mix of cutting-edge luxury and informality. Imagine a trip to your own private beach where all you see are wide expanses of blue sea, subtle shades of untouched desert and an immense backdrop of jagged mountains.

Rates per night BB

| Room Type | Double Room | Single Room |
|-----------|-------------|-------------|
| Standard | 165 Euro | 145 Euro |
| Deluxe | 210 Euro | 170 Euro |



Herods Resort Hotel - Deluxe ★ ★ ★ ★ ★

This deluxe resort is located on the beachfront of Eilat, on the shores of the Red Sea against a backdrop of mountains, desert and the Red Sea. The Herods consists of 3 main facilities: Herods Palace - located on the beachfront of Eilat's North Shore, Herods Forum - located across from Herods Palace, linked by an elevated walk-way and Herods Vitalis - a stand-alone tower with spa facilities.

Rates per night BB

| <i>Wing Type</i> | <i>Double Room</i> | <i>Single Room</i> |
|------------------|--------------------|--------------------|
| Forum | 155 Euro | 150 Euro |
| Palace | 185 Euro | 165 Euro |



Herods Resort Hotel



Astral Galei Eilat Hotel - ★ ★ ★ ★ ★

Astral Galei Eilat Hotel is located by the North Beach, within walking distance from the conference venue, and all major shopping centers and attractions. The hotel was recently renovated and has 107 rooms with a beautiful view of the Red Sea, lobby bar, swimming pool, gift shop and private parking. All rooms are equipped with: refrigerator, TV, radio, telephone, bathroom and full air conditioning.

Rates per night BB

| <i>Double Room</i> | <i>Single Room</i> |
|--------------------|--------------------|
| 117 Euro | 100 Euro |

Astral Village ★ ★ ★

The beautiful Astral Village is located within walking distance from the conference venue, just by the Marina and the Peace Lagoon. With their red tile roofs and unique design, all 182 rooms and suites are surrounded by a flourishing garden. Facilities include swimming pool, snack bar and lobby bar. All rooms are equipped with refrigerator, cable TV, telephone, bathroom and full air conditioning.

Rates per night BB

| <i>Double Room</i> | <i>Single Room</i> |
|--------------------|--------------------|
| 106 Euro | 91 Euro |

Technical Tours

International Boundaries

Tour the Egyptian and Jordanian boundaries and learn about the historical background, the boundaries settlements as part of the peace agreements and boundaries setting techniques on-site. Visit the southern boundary site, located between Jordan and Israel, and the Taba Terminal, located between Egypt and Israel. The tour will be guided by the Conference Director & DG Survey of Israel, Dr. Haim Srebro, who was a senior member of the Israeli delegation responsible for boundary settlement and demarcation during the peace talks.

The Seismological Research Tunnel

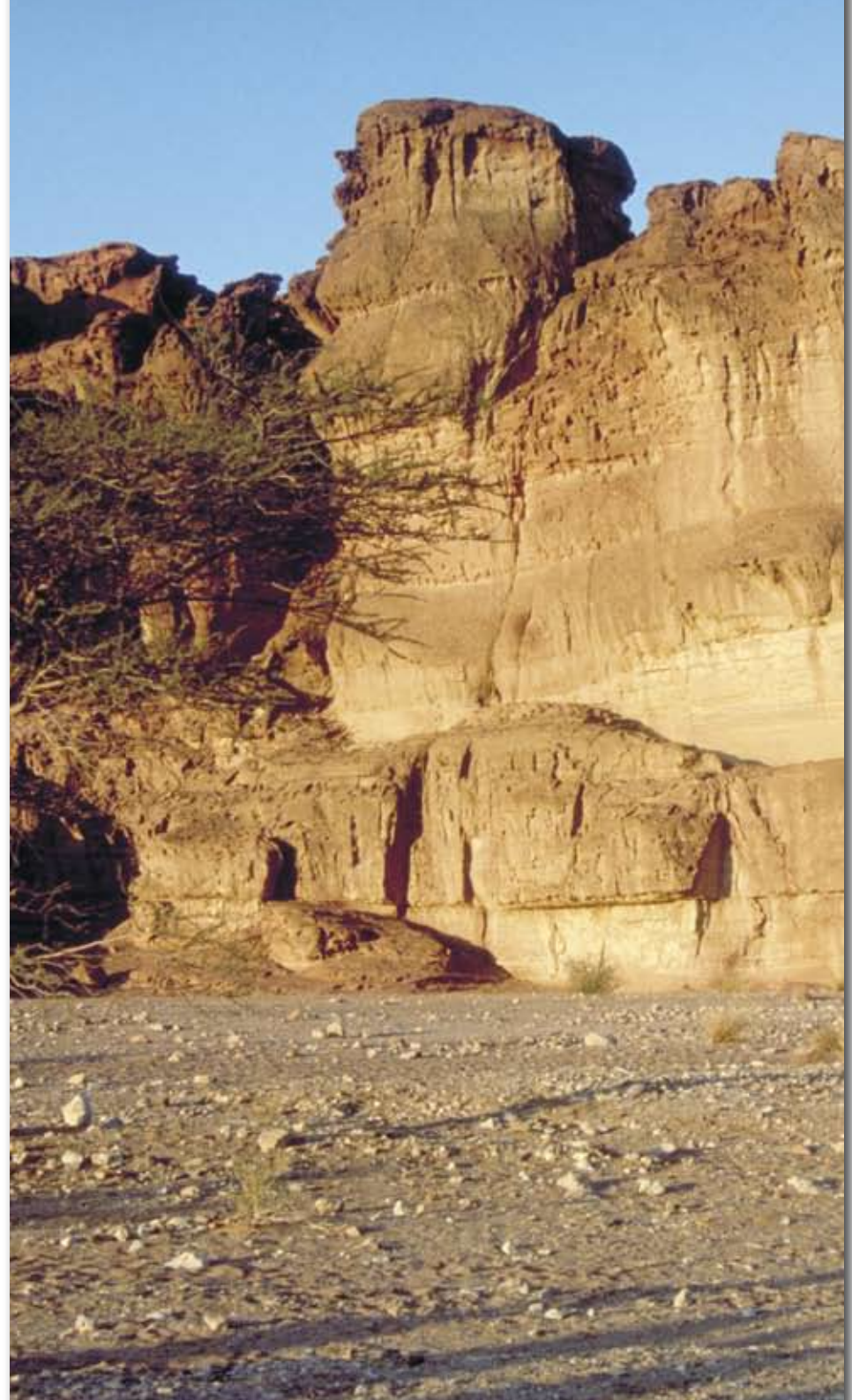
Visit this unique tunnel, 200 meters long, and learn about the seismological and magnetometry research activities. Take this unique opportunity to watch the special instruments utilized on site, especially the "Supergradiometer" used to measure the high precision changes of the earth magnetic field. Learn about the linkage between Radon flow and earth cracks.

The City of Eilat

Discover the city's history, the development of Eilat as a major tourism center, the planning and development of the desalination plant and hear of the future planned for Eilat.

The Timna Copper Mines

Visit this historical site that has been active since King Solomon times and learn of the geodesy of Timna copper mines, the measurements procedures used nowadays, and the mining techniques used then and now.



Accompanying Persons Tours

During the conference, accompanying persons will be able to enjoy various tours and activities in the vicinity of Eilat:

Timna Park Jeep Tour- Half day

Timna Park is located north of Eilat and contains amazing natural phenomena: "King Solomon's Pillars", the "Mushroom", and "Arches". See fascinating remnants of primitive cultures at the "Chariots" rock carvings, the "Shrine of Hathor", and ancient copper furnaces. Marvel at the remarkable multimedia presentation,



'Mines of Time'. Explore King Solomon's Mines, where over 6 millennia ago, ancient Egyptians first began copper mining. Discover the unique beauty of the turquoise Eilat stone. Activities also include: casting copper coins, and refreshments in an authentic Bedouin tent.

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Dolphin Reef and Underwater Observatory- Half day

Visit the Dolphin Reef - a unique ecological site where visitors can enjoy a natural atmosphere, magical views, secluded beach, and the unusual opportunity of meeting and observing dolphins in their natural habitat. A group of "bottlenose" dolphins, including babies born at the site, maintain their daily routine of hunting, playing, courting and socializing. Visitors can enjoy getting close to the dolphins from floating piers and observation points.

Continue to Coral World Underwater Observatory - one of the area's star attractions, recognizable by the tall space-needle structure that floats offshore - a circular aquarium surrounded by a coral reef. It provides view of rare fish, hard to believe they are real!. Visit the unlighted room where phosphorescent fish and other sea creatures glow in the dark. Nearby are the stingray and the sea-turtle pool, as well as the shark pools.

Red Sea Cruise - Half day

Enjoy a schooner cruise in the Gulf of Eilat, with a spectacular view of Eilat and Aqaba's shore line, stop along the way for a BBQ, snorkeling, scuba diving or just relax on deck, while absorbing the beautiful scenery.

Israel..... Yours to Discover

Before and after the conference, participants will be able to enjoy a diverse choice of sightseeing tours and excursions specially tailored to highlight the magic and spectacle of Israel:

Pre Conference Tours (minimun 15 persons)

Pre Tour 1 - Galilee, Jerusalem, Dead Sea & Massada

Wednesday, 29 April 2009

Arrival to Tel Aviv and overnight

Thursday, 30 April 2009

Departure for a tour to northern Israel, starting with the City of **Acre**, Ancient historical leading port, and tour the old Crusader stronghold and the medieval fortifications. Visit the Church of the Annunciation in **Nazareth**, the city where Jesus spent his youth. Continue to **Cana of the Galilee**, where, according to the Fourth Gospel, Jesus performed his first miracle.

Overnight in Kibbutz Hotel

Friday, 1 May 2009

The day starts with a visit to **Ein Sheva (Tabgha)** on the north-west shore of the Sea of Galilee, the traditional site of the miracle of the multiplication of the loaves and fishes in Christianity, and **Kfar Nachum (Capernaum)**, the town reported to have been the home of Jesus. Take a scenic boat trip on the **Sea of Galilee**, and drive via the Jordan Valley to **Beit Shean (Schytopolis)**,



the ancient Roman city known as the "Roman sleeping beauty". Destroyed by an earthquake in 746, many of the city's deep underground secrets have been preserved.

Overnight in Jerusalem

Saturday, 2 May 2009

Departure for a full day tour of the **Old City of Jerusalem**. The tour commences inside the old city walls with a stroll through the Armenian Quarter and the restored Jewish Quarter. Visit the Roman Cardo, the Herodian mansions through the "shuk" and continue to the Western Wall (Kotel), one of holiest of Jewish sites on earth. A remnant of the retaining Herodian wall that once enclosed and supported the Second Temple, it has also been called the "Wailing Wall" where for centuries, Jews have gathered here to lament the loss of their temple. Walk the path of the famed Via Dolorosa and visit the Church of the Holy Sepulchre, and the Jaffa Gate.

Overnight in Jerusalem

Sunday, 3 May 2009

Depart Jerusalem for a full-day tour of the **Judean Desert** and the **Dead Sea**, the lowest point on earth. Visit the delightful **Ein Gedi Spa**, and take a relaxing swim in the Dead Sea - 420 meters (1,378 ft) below sea level. Biblically, it was a place of refuge for King David and was one of the world's first health resorts... for Herod the Great. An assortment of mineral waters of various qualities is used for therapeutic and cosmetic treatments, as well as for manufacturing the famous Dead Sea cosmetics lines. The tour continues to **Massada**, a rugged natural fortress of majestic beauty and history - where you will ascend by cable car to the top of the mountain. Massada became a famous landmark after the first Jewish-Roman war when a siege of the fortress by troops of the Roman Empire led to a mass suicide of the site's Jewish Sicarii fugitives when defeat became imminent.

Arrival to your chosen hotel in Eilat



Massada

Pre Tour II - Jerusalem, Dead Sea & Massada

Friday , 1 May 2009

Arrival to Jerusalem and overnight

Saturday & Sunday, 2-3 May 2009

As per tour I

Pre Tour III - Dead Sea & Massada

Saturday, 2 May 2009

Arrival to Jerusalem and overnight

Sunday, 3 May 2009

As per tour I

Post Conference Tours (minimum 15 persons)

Post Tour I - Petra, Jordan

Saturday, 9 May 2009

Cross the Arava border, on your way south to **Petra** – the ancient capital of the Nabateans, also known as the Red Rock City - an outstanding site with many spectacular monuments: El Khazneh, Field of Tombs, Obelisks and the Alter (Al Madabbah). Tour includes horseback ride through Siq Canyon, lunch and a short tour of the city of **Aqaba** on the way back to Eilat.

Post Tour II - Dead Sea & Massada, Jerusalem, Galilee, Haifa & Caesarea

Saturday, 9 May 2009

Departure from Eilat for a full-day tour of the **Arava Valley** and the **Dead Sea** - the lowest point on earth, where you can take a salty yet relaxing swim - 420 meters (1,378 ft) below sea level. Biblically, it was a place of refuge for King David and was one of the world's first health resorts... for Herod the Great. An assortment of mineral waters of various qualities is used for therapeutic and cosmetic treatments, as well as for manufacturing the famous Dead Sea cosmetics lines.

Visit the delightful **Ein Gedi Spa** and continue to **Massada**, a rugged natural fortress of majestic beauty and history - where you will ascend by cable car to the top of the mountain. Massada became a famous landmark after the first Jewish-Roman war when a siege of the fortress by troops of the Roman Empire led to a mass suicide of the site's Jewish Sicarii fugitives when defeat became imminent. Drive via the Judean Desert to Jerusalem.

Overnight in Jerusalem

Sunday, 10 May 2009

Departure for a full day tour of the **Old City of Jerusalem**. The tour commences inside the old city walls with a stroll through the Armenian Quarter and the restored Jewish Quarter. Visit the Roman Cardo, the Herodian mansions through the "shuk" and continue to the Western Wall (Kotel), part of the



The Dead Sea

holiest of Jewish sites on earth. A remnant of the retaining Herodian wall that once enclosed and supported the Second Temple, it has also been called the "Wailing Wall" where for centuries, Jews have gathered here to lament the loss of their temple. Walk the path of the famed Via Dolorosa and visit the Church of the Holy Sepulchre, and the Jaffa Gate.

Overnight in Jerusalem

Monday, 11 May 2009

Departure for a tour to northern Israel via the **Jordan Valley**. Discover **Beit Shean (Schytopolis)**, the ancient Roman city known as the "Roman sleeping beauty". Destroyed by an earthquake in 746, many of the city's deep underground secrets have been preserved. Visit **Ein Sheva (Tabgha)** on the north-west shore of the Sea of Galilee, the traditional site of the miracle of the multiplication of the loaves and fishes in Christianity, and **Kfar Nachum (Capernaum)**, the town reported to have been the home of Jesus. The day ends with a scenic boat trip on the **Sea of Galilee**.

Overnight in Kibbutz Hotel

Tuesday, 12 May 2009

Continue to **Cana of the Galilee**, where, according to the Fourth Gospel, Jesus performed his first miracle. Visit the Church of the Annunciation in **Nazareth**, the city where Jesus spent his youth, and continue to the City of **Acre**, Ancient historical leading port, for a tour of the old Crusader stronghold and the medieval fortifications.

Overnight in Haifa



Wednesday, 13 May 2009

Enjoy a breathtaking view from the top of Mount Carmel and a walk through the magnificent Persian Gardens of the world-famous Bahai Shrine. Drive along the coastal road to scenic **Caesarea**, once the Roman capital of the Holy Land. Explore its excavated Roman harbor, Crusader fortress and amphitheater, still in use today for concerts and events.

Overnight in Tel Aviv

Thursday, 14 May 2009

Departures

Post Tour III - Dead Sea & Massada, Jerusalem

Saturday & Sunday, 9-10 May 2009

As per tour I

Monday, 11 May 2009

Departures

Post Tour IV - Dead Sea & Massada

Saturday, 9 May 2009

As per tour I

Sunday, 10 May 2009

Departures

Note: Tour prices will be available online upon registration

Contacts

Organizing Committee

Mr. Joseph Kraus – ALSI President and Chairman of the Organizing Committee

Dr. Haim Srebro – DG Survey of Israel and Conference Director

Ms. Noa Ben-Yossef and Mr. Yaron Lazar – Social Program

Mr. Dan Sharir and Mr. Moshe Fogel – Sponsors & Exhibitors

Dr. Gilad Even-Zur – Students Relations

Mr. Moshe Benhamu – Professional Relations

Dr. Yaron Felus – Public Relations

Mr. Dov Stolero and Mr. Yossi Melzer – Technical Tours

Mr. Moshe Fogel – Finances

Dr. Joseph Forrai and Mr. Yoav Tal - Program Coordinators

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