



Fourth IAA Symposium on SEARCHING FOR LIFE SIGNATURES

Republic of San Marino (Italy)

September 25th-28th, 2012

<http://iaaweb.org/content/view/295/434/>

ORGANIZER: DR. CLAUDIO MACCONE (IAA Technical Director)



Convention & Visitors Bureau
Repubblica di San Marino



With the Patronage of
San Marino Ministry of Tourism

San Marino conventions and events. Towards a new era.



International Academy of Astronautics



The International Academy of Astronautics created a SETI committee in the seventies, now established in SETI Permanent Committee.

Its role is to develop studies, establish protocols to be followed by SETI scientists in the detection, analysis, verification, announcement and response to signals from extraterrestrial civilizations, call for symposia and cooperate with the scientific community worldwide.



CONFERENCE RATIONALE

SETI (the "Search for ExtraTerrestrial Intelligence") refers to the experiments intended to find either radio or optical signals from extraterrestrial societies situated on planets around other stars. The largest radio telescopes world-wide have occasionally pursued SETI searches since 1960, in most cases hunting for signals near in frequency to 1420 MHz (the emission line of neutral hydrogen). Optical SETI searches have been pursued since the 1990s. These attempts to detect extraterrestrial signals are called "Passive SETI".



In recent years, new kind of SETI, called "Active SETI", has been discussed by radio astronomers and has actually been attempted in a few cases: it consists of deliberately transmitting signals to enhance the probability of making contact with other hypothetical galactic technological civilizations. In addition, the discovery since 1995 of more than 537 extrasolar planets makes it clear that both Passive and Active SETI may now be "targeted" towards exoplanets that are situated within habitable zones, further increasing the probability of a SETI success.



“Searching for Life Signatures” Symposium



It is now timely to gather a large conference of experts in SETI, biosignatures, the search for terrestrial exoplanets and related disciplines from all over the globe to openly discuss the strategies of both Passive and Active SETI.

These are the **goals** of the “[4TH IAA SYMPOSIUM ON SEARCHING FOR LIFE SIGNATURES](#)” that will take place at the Kursaal Congress Centre in San Marino Republic (Italy), September 25th thru 28th, 2012, in the week just prior to the **63rd IAC (International Astronautical Congress)** that will take place at Naples (Napoli), Italy, October 1st thru 5th, 2012.



Program

Monday, Sept. 24th Morning or afternoon. Arrival of Participants at either:

1) ***Rimini and San Marino Airport (RMI)*** – The nearest airport to San Marino, 25 km distance. **A special bus service** from the airport to San Marino will be at Participants' disposal, with a stop at Rimini Railway Station.

2) ***Bologna Airport (BLQ)*** – The second nearest airport to San Marino, 132 km distance or

3) ***Milan Malpensa Airport (MXP)*** – the fourth nearest airport to San Marino, 300 km distance.

Hourly train connections from Bologna/Milan to Rimini Railway Station and then a **dedicated bus service** to San Marino.

4) ***Rome Fiumicino Airport (FCO)*** – The third nearest airport, 250 km distance to San Marino. Frequent direct flights and train connections (to Bologna, about four hours journey) from Rome to Rimini, and then **dedicated bus service** to San Marino.



A special bus service from Rome Fiumicino Airport (FCO) to San Marino will be at Participants' disposal.

Participants are advised to have a lunch or a snack before boarding this bus: the bus journey will take about three hours and a half.

** This special bus service will be included in the Conference Fee for all Participants. **The departure times of the special bus service** from Rimini and Rome FCO will be decided and published publicly when the number of Attendees and their exact arrival times will be known.*

At the arrival in San Marino, Participants will find a Social Buffet Dinner from 8 pm at the Grand Hotel San Marino, graciously offered by the San Marino University. Then they will reach their respective hotels in San Marino.



Program

Tuesday, Sept. 25th

Morning: Opening Ceremony. Keynote Speakers.
Press Conference.

Afternoon: Guided Tour of the Republic of San Marino.

Evening: Gala Dinner at Righi La Taverna Restaurant,
graciously offered by the Minister of Tourism of San
Marino.

Wednesday, Sept. 26th

Morning: PASSIVE SETI - Proposals and Technological
Issues.

Lunch on site.

Afternoon: ACTIVE SETI - Societal Issues.

Evening: Free.

Thursday, Sept. 27th

Morning: Future Space Missions to detect Extrasolar
Habitable Planets.

Lunch on site.

Afternoon: General Debate and "San Marino Conference
Declaration".

Evening: Free.



Program

Friday, Sept. 28th

Entire Day Tour (cost: 60 Euros) to Ravenna and Medicina Radiotelescopes and return to San Marino for dinner.

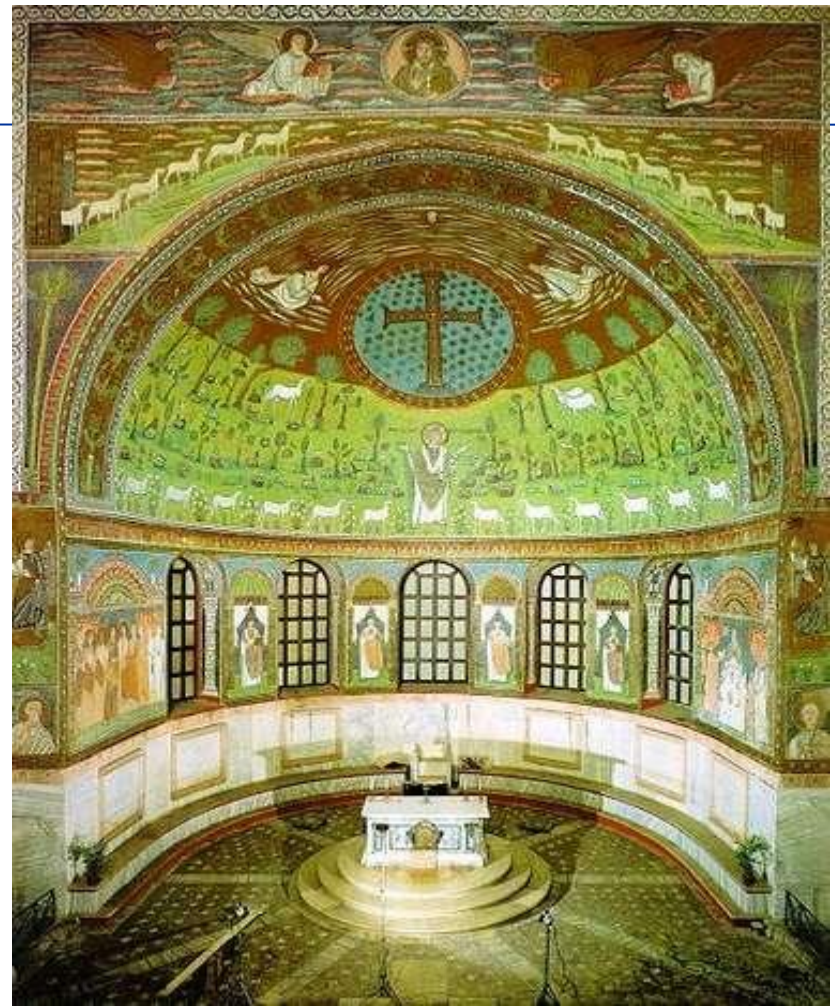
Leaving San Marino at 9 am bus to Ravenna (6th Century Byzantine Mosaics at the Churches of Sant'Apollinare in Classe and San Vitale).

Then on to Medicina (near Bologna) and LUNCH at the Visitors Center of the INAF-IRA Radiotelescopes.

Afternoon: GUIDED TOUR OF THE SETI-ITALIA FACILITIES at the INAF-IRA Radiotelescopes.

Then return by bus to San Marino to attend **a unique medieval dinner** with music and dances at the Terrazza Titano Restaurant, graciously offered to all San Marino Symposium Participants by the Ministry of Tourism of San Marino.





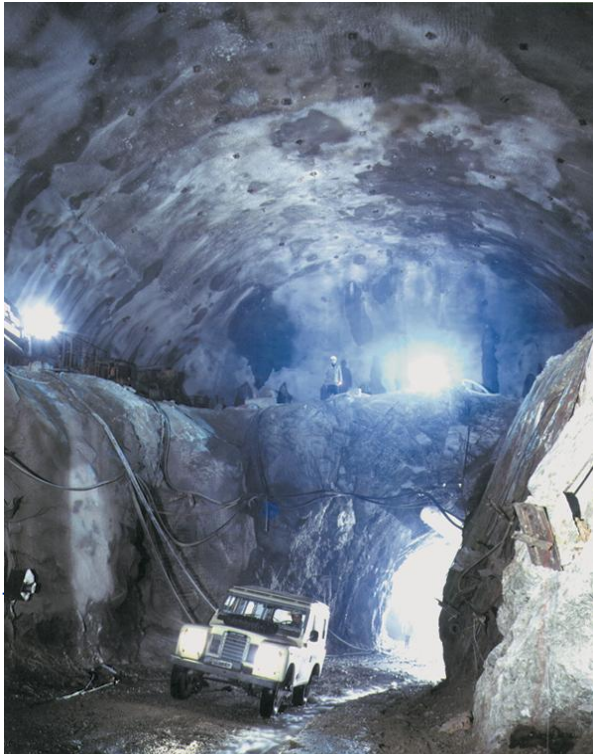
Saturday, Sept. 29th

Bus travel from San Marino to Naples ONLY for those intending to attend the International Astronautical Congress (IAC) in Naples during the ensuing week. Departure from San Marino at 8:30 am.

Late Morning: visit to the INFN NEUTRINO FACILITIES in the caverns inside the Gran Sasso mountain, inasmuch as a NEUTRINO-SETI might also develop in the future. Then LUNCH at a restaurant in the Appennine mountains on the way to Rome.

Afternoon in Rome: visit to Piazza Campo dei Fiori, right on the spot where Giordano Bruno was burned at the stake on February 17, 1600, by the Inquisition, for having claimed (besides other "heresies") that ExtraTerrestrials might possibly exist. SETI League executive director emeritus H. Paul Shuch will discuss that organization's Giordano Bruno Memorial Award, introducing past (and perhaps future) Bruno Award winners. Final bus travel from Rome to Naples in the evening and arrival at the hotels in Naples.





(Sunday, Sept. 30th: Academy Day in Naples for IAA Academicians and their Guests)

(Monday, Oct. 1st: Opening Ceremony of the 2012 International Astronautical Congress - IAC in Naples)

(Monday thru Friday: IAC in Naples. RETURN to Rome Fiumicino Airport (FCO) and departure from Italy)



WHY the 4th IAA Symposium in San Marino?

- San Marino is **THE OLDEST REPUBLIC IN THE WORLD**: we host the IAA Symposium in **a unique place**, rich in history and traditions.
- San Marino is **ART, CULTURE, MEDIEVAL TRADITIONS**: you can breath the times gone by.
- San Marino is a small **INDEPENDENT** Republic, where close **COOPERATION WITH LOCAL INSTITUTIONS** is usual: institutional patronage, welcome speech by a local Minister, etc...
- **CENTURIES-OLD HOSPITALITY**: a Republic called the “Land of Freedom”, because of its past of neutrality and the great hospitality given to refugees from all over the world.
- **A PLUNGE INTO NATURE**: evocative experiences and relaxing landscapes.
- San Marino has a **FRIENDLY, FLEXIBLE, LIVELY CITY CENTRE** where everything is at hand.
- San Marino is **EASY TO REACH** from the Italian and the main European cities.



UNESCO's World Heritage site



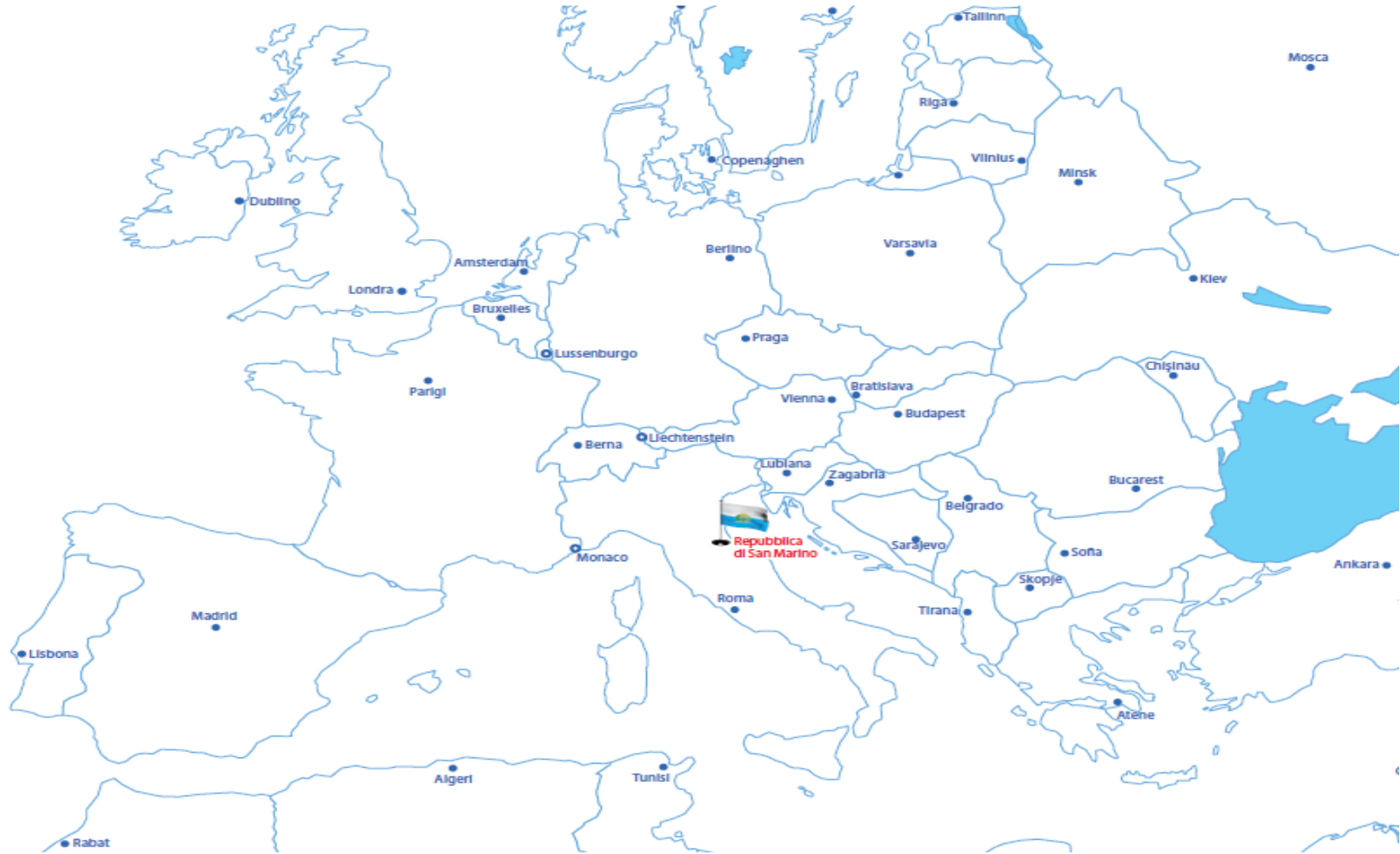
Since July 2008, San Marino has been enlisted in the UNESCO's World Heritage sites as exceptional testimony of the establishment of a representative **democracy based on civic autonomy and self-governance**, with a unique, uninterrupted continuity as the capital of an **independent Republic since the 13th century**.

San Marino is an **exceptional testimony** to a living cultural tradition that has persisted over the last seven hundred years.





A small Republic at the heart of Europe



Easy to reach



BY PLANE

Rimini-San Marino, 25 km distance
Rimini "Federico Fellini" Airport
www.riminiairport.com

Ancona-San Marino, 130 km distance
Ancona "R. Sanzio" Airport
www.ancona-airport.com

Bologna-San Marino, 132 km distance
Bologna "G. Marconi" Airport
www.bologna-airport.it

Rome-San Marino, 250 km distance
Rome "Fiumicino" Airport
www.adr.it/fiumicino

Milan-San Marino, 400 km distance
Milan "Malpensa" Airport
www.malpensa.it



BY CAR

A14 Bologna-Ancona highway, Rimini Sud exit.
Motorway Rimini-San Marino.

Car public parking:

For the congress Participants a special daily fee is foreseen at the parking No. 3, in front of the Kursaal Congress Centre.

Bus parking:

The closest bus parking to the Kursaal Congress Centre is the No. 2 in "Piazzale ex - Stazione", 100 mt. away.

For groups who stay in San Marino hotels, a discounted fare is foreseen.



BY TRAIN

Quick and regular rail links from Rimini Railway Station to all major Italian cities (for information and time schedules visit www.trenitalia.it).

From Rimini Railway Station daily bus services to San Marino (for information and time schedules visit www.bonellibus.it and www.bus.it/benedettini/autolinee.htm).



Main flight connections to/from Rimini

ITALY

- Roma Fiumicino
- Napoli
- Palermo
- Cagliari Elmas
- Catania
- Cefalonia
- Lampedusa
- Olbia

EUROPE

- Amsterdam
- Antalya
- Basilea
- Berlino
- Bruxelles
- Bucarest Otopeni
- Chelyabinsk
- Colonia
- Copenhagen
- Corfù
- Ekaterinburg
- Erkan
- Francoforte
- Fuerteventura
- Hannover
- Helsinki
- Kaliningrad
- Karlsruhe
- Kazan
- Kiev
- Kythera
- Lemnos
- Lesvos
- Liverpool
- Londra
- Lourdes
- Lugano
- Lussemburgo
- Marsa Alam
- Medjugorie
- Monaco
- Mosca (Dme-Svo-Vko)
- N. Novgorad
- Norimberga
- Novosibirsk
- Parigi
- Praga
- Preveza-Lefkada
- Rostov
- St.Pietroburgo
- Samara
- Stoccarda
- Stoccolma
- Tel Aviv
- Tirana
- Ufa
- Zante
- Zurigo



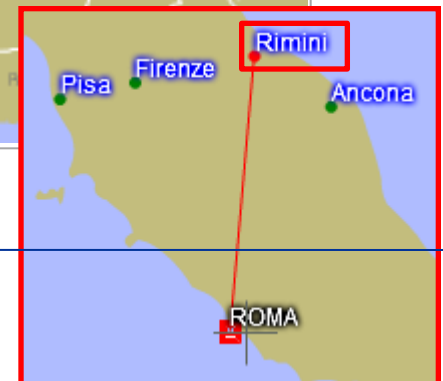
Main flight connections to/from Bologna



Main flight connections to/from Rome



Daily direct connections from Rome to Rimini.



Special bus service

Bus service for Participants
from ROME *Fiumicino* Airport
and **from RIMINI Airport**
and Rimini Railway Station
to the Republic of San Marino
and back,
according to Participants'
arrival and departure schedules.



San Marino - general information

Official Name: Serenissima Repubblica di San Marino

Capital City: San Marino (pop. 4,500).

Other Cities: Serravalle (largest city), Borgo Maggiore, Domagnano, Fiorentino, Faetano, Acquaviva, Montegiardino, Chiesanuova.

Government: Republic.

Founding of the Republic: 3 September 301 A.D.

Geography: Southern Europe, in north-east Italy.

Area: 61 sq. km.

Terrain: Rugged mountains.

Climate: Mediterranean; mild to cool winters; warm sunny summers.

Population: 33,000 inhabitants.

Nationality: Sammarinese.

Ethnic groups: Sammarinese, Italian.

Religion: Roman Catholic.

Languages: Italian

Agriculture products: Wheat, grapes, corn, olives, cattle, pigs, horses, beef, cheese, hides.

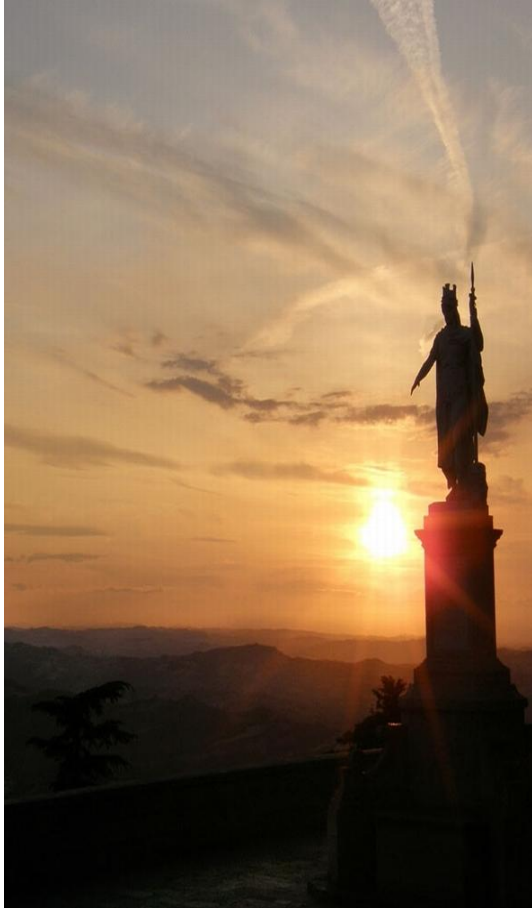
Industries: Tourism, banking, textiles, electronics, ceramics, cement, wine.

Currency: Euro (EUR)



Palazzo Pubblico and Piazza della Libertà: the heart of the city

The Statue of Liberty



The real treasure of "*Pianello*" (as the Liberty Square is called by the inhabitants) is the **Council Hall**, located inside the Public Palace where, since 1848, the sixty parliamentarians of the Council have used to meet.



Peculiar features of the world's oldest Republic

The historical peculiarity of San Marino is revealed in its ancient institutions, unique in the world.

The Council of Regency is the highest institutional ranking body: it is composed by the **two Regents – Capitani Reggenti**, who acts collectively, whose role corresponds to that of the Head of State.

The first Regents were appointed in 1243.



They remain in office for six months and every year, on **1st April** and **1st October**, a suggestive investiture ceremony is celebrated.



Monuments



**Guaita Fortress - First Tower
Cesta Fortress - Second Tower
Montale Fortress - Third Tower**



**the ancient Monastery of
Santa Chiara**

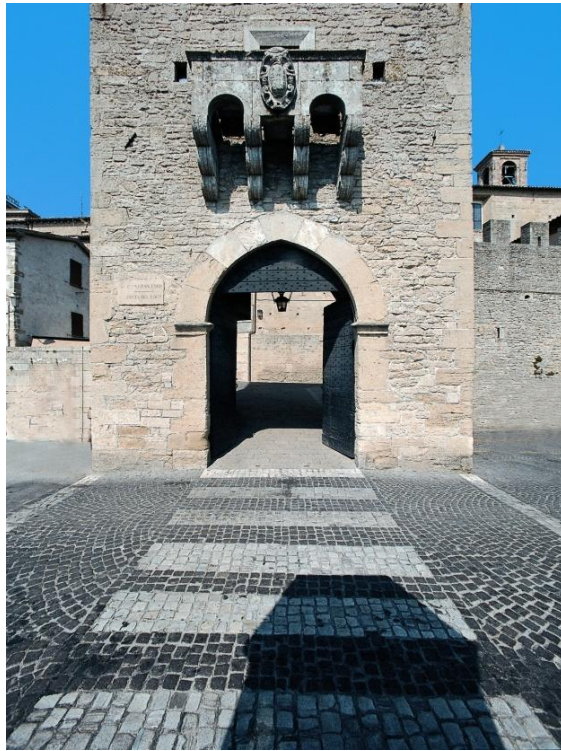


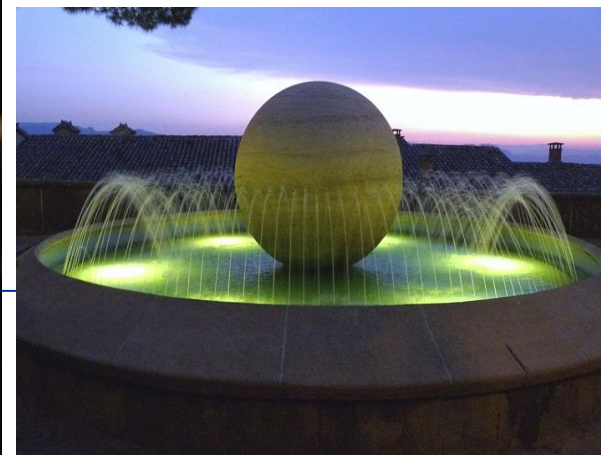
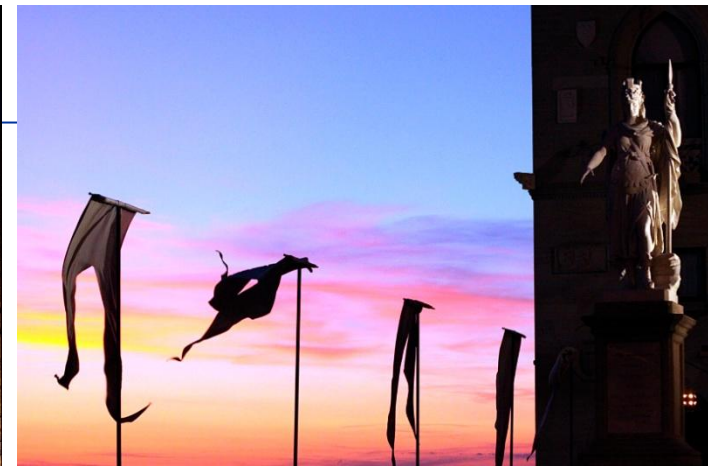
Church of San Quirino

La Pieve – Basilica of the Saint



...glimpses of history





4th IAA SYMPOSIUM
on Searching for Life Signatures

Venue



Kursaal Congress Centre



The venue

The Congress Centre stands in a convenient position, close to the old town centre with an enchanting panorama over the Marche-Romagna hinterland and the Adriatic Riviera.

After important restoration works, the new structure is a modern Centre providing a complete range of professional and technologically advanced services.

There are various types and sizes of halls, with seating capacities ranging from 20 to 361, structured and furnished to allow flexible use solutions for different occasions.

All have natural light, with a unique view over the hinterland. The halls are paneled in cherry wood and the Frau armchairs ensure the maximum comfort for the duration of the conference.



Kursaal conference halls



ARENGO HALL

Dimensions: 421.8 sq. m
Capacity: 361 - theatre set up
Screen size: 6x6 m



TITANO HALL

Dimensions: 225.5 sq. m
Capacity: 180 - theatre set up
Screen size: 6x6 m



LIBERTAS HALL

Dimensions: 65 sq. m
Capacity: 40 - theatre set up
Screen size: 4x3 m



Complementary spaces



Entrance hall:
185 sq. m



Foyer 1st floor 75 sq. m
Foyer 2nd floor 150 sq. m



Bastioni hall:
150 sq. m (13x12 m)



Reception:
100 sq. m
with 3 offices,
each of 12 sq. m



Restaurant and bar:
353 sq. m (26x13 m)

Accommodation

4 STAR HOTELS located in the historical centre, within walking distance to the Congress Centre.



Medieval dinner in San Marino



A unique medieval dinner, tasting typical dishes and breathing the magic atmosphere of times gone by.

Musicians, walk-ons, marksmen with their bright and colourful costumes will enliven your dinner, accompanied by music and medieval dances.



A land to discover

San Marino is history, art, culture and culinary traditions: a village that you can experience in a personalized way.



Guided visit of the historical centre, to discover the glorious past of this ancient Republic.



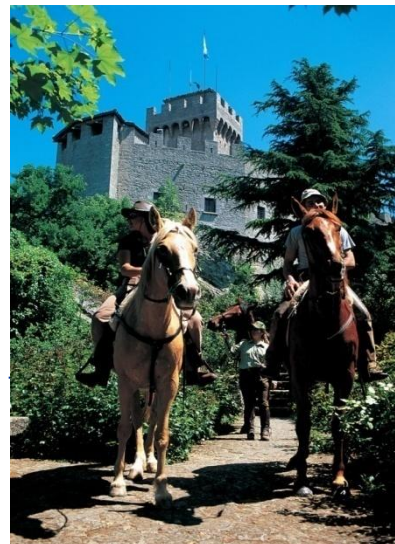
Proposed activities



Sport activities, wellness itineraries and gastronomic circuits to discover the territory.

Visit to the **Maranello Museum**, the richest private collection of Ferrari cars, with a glance to the Abarth car museum.

Visit to the rural life museum of "**Casa di Fabrica**", one of the oldest manor houses in San Marino, which keeps treasures related to conditions and habits of life and work of the rural past. Inside its cellar is possible to taste the excellences of the territory: wine, oil, bread and piadina, cheese, ham, etc...



your local contact

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