



Fourth IAA Symposium on SEARCHING FOR LIFE SIGNATURES

Republic of San Marino (Italy)

September 25th-28th, 2012

<http://iaaweb.org/content/view/455/615/>

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" or "METI (messaging to ETI)", 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 (1)

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.
 - 2) **Bologna Airport (BLQ)** – The second nearest airport to San Marino, 132 km distance.
 - 3) **Venice Airport (VCE)** – 285 km distance to San Marino.
 - 4) **Rome Fiumicino Airport (FCO)** – 350 km distance to San Marino. Direct flights from Rome (FCO) to Rimini (RMI).
 - 5) **Milan Malpensa Airport (MXP)** – 390 km distance.
- Quick and regular train links to Rimini Railway Station from all the major Italian cities.
For time schedules, please visit: www.trenitalia.it
 - From Rimini Railway Station hourly public bus service to San Marino. For information and time schedules, please visit: www.bonellibus.it and www.bus.it/benedettini/autolinee.htm



Program (2)

At the arrival in San Marino, Participants will find a Social Buffet Dinner from 8 pm at the Grand Hotel San Marino.

Then they will reach their respective hotels in San Marino.



Program (3)

Tuesday, Sept. 25th

Morning: Opening Ceremony. Keynote Speakers.
Press Conference.

Afternoon: Guided Tour of the Republic of San Marino.

Evening: Gala Dinner.

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: Medieval Dinner, with music and dances.



Program (4)

Friday, Sept. 28th

Entire Day Tour to Ravenna and Medicina Radiotelescopes and return to San Marino for dinner.

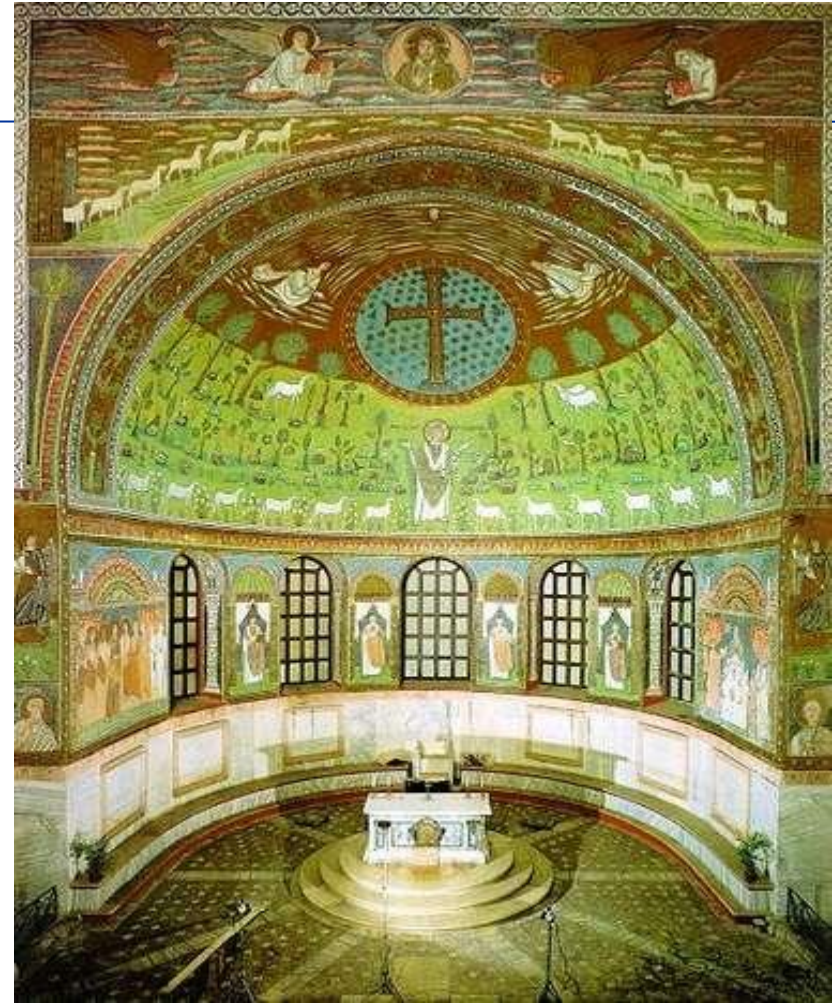
Leaving San Marino at 9 am bus to Ravenna (6th Century Byzantine Mosaics at the Churches of Sant'Apollinare in Classe and San Vitale).

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 for dinner and hotel accommodation. Evening free.





Program (5)

Saturday, Sept. 29th

Bus travel from San Marino to Naples *for those intending to get off at Rome or 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. Number of visitors limited to n. 21 – first come first served basis. 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.

Possibility to stop in Rome (Rome Central Railway Station). Final bus travel to Naples (ONLY for those intending to attend IAC Congress) and arrival at the hotels in Naples.





Program (6)

(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
- **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.



Centuries-old Ospitality



United Nations Educational,
Scientific and Cultural Organization



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."

(quoted by WHC – World Heritage Convention)



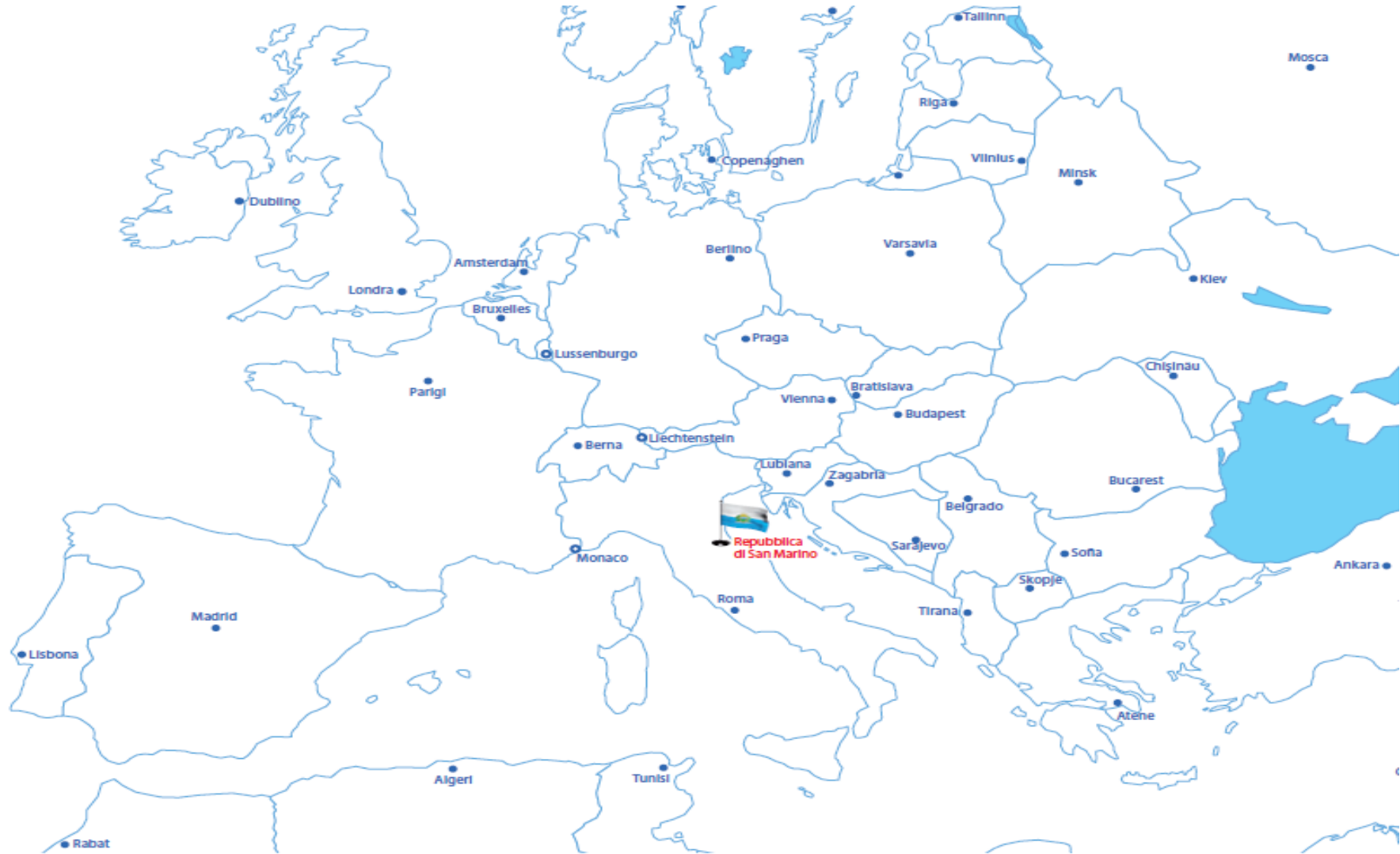
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Repubblica di San Marino



UNESCO's World Heritage site



A small Republic at the heart of Europe



Easy to reach



BY PLANE

Rimini-San Marino "Federico Fellini" Airport - 25 km distance

www.riminiairport.com

• **Ancona** "R. Sanzio" Airport, 130 km distance - www.ancona-airport.com

• **Bologna** "G. Marconi" Airport, 132 km distance - www.bologna-airport.it

• **Venice** "Marco Polo" Airport, 285 km distance - www.veniceairport.it

• **Rome** "Fiumicino" Airport, 350 km distance - www.adr.it/fiumicino

• **Milan** "Malpensa" Airport, 390 km distance - www.malpensa.it

Possibility to fly directly from Rome (FCO) to Rimini (RMI).



BY CAR

A14 highway, Rimini Sud exit. Then follow direction "Repubblica di San Marino".

Car public parking:

For symposium Participants a special daily fee is foreseen in all public San Marino parkings.

Bus parking:

The closest bus parking to 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 to Rimini Railway Station from all major Italian cities. For time schedules, please visit www.trenitalia.it

From Rimini Railway Station hourly public bus service to San Marino.

For information and time schedules, please visit: www.bonellibus.it and www.bus.it/benedettini/autolinee.htm



Main flight connections to Rimini-Rep. of San Marino "F. Fellini" Airport

ITALY

- Rome
Fiumicino
- Palermo
- Catania

EUROPE and outside EUROPE

- Amsterdam
- Berlin
- Bucharest Otopeni
- Koln
- Copenhagen
- Frankfurt
- Kiev
- London
- Moscow (Dme - Svo)
- Paris
- Prague
- Rostov
- St. Petersburg
- Sharm el Sheikh
- Tirana
- Yekaterinburg



Main flight connections to Bologna "G. Marconi" Airport

ITALY

- Alghero
- Bari
- Brindisi
- Cagliari
- Catania
- Lamezia Terme
- Napoli
- Olbia
- Palermo
- Rome Fiumicino
- Trapani

EUROPE and outside EUROPE

- Alicante
- Amsterdam
- Bacau
- Barcelona
- Bruxelles
- Casablanca
- Cologne
- Copenhagen
- Dubai
- Dublin
- Dusseldorf
- Frankfurt
- Fuerteventura
- Hurghada
- Istanbul
- Koln

- Krackow
- Larnaca
- Las Palmas
- Lisbon
- London
- Luxor
- Lyon
- Madrid
- Male
- Malta
- Marsa Alam
- Moscow
- Mombasa
- Munich
- Paris
- Prague

- Saragoza
- Seville
- Sharm el Sheikh
- Stockholm
- Tenerife
- Timisohara
- Tirana
- Valencia
- Vienna
- Wroclaw
- Zagreb
- Zanzibar



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)



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 act 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.



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



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.

Monuments



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



**the ancient Monastery of
Santa Chiara**

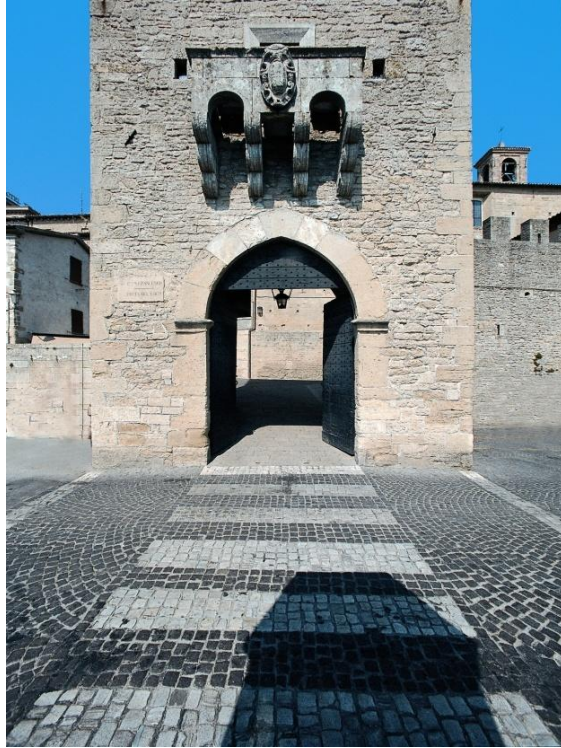


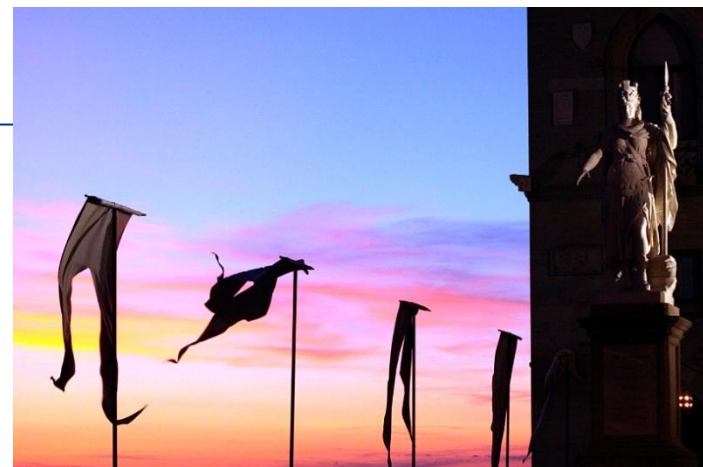
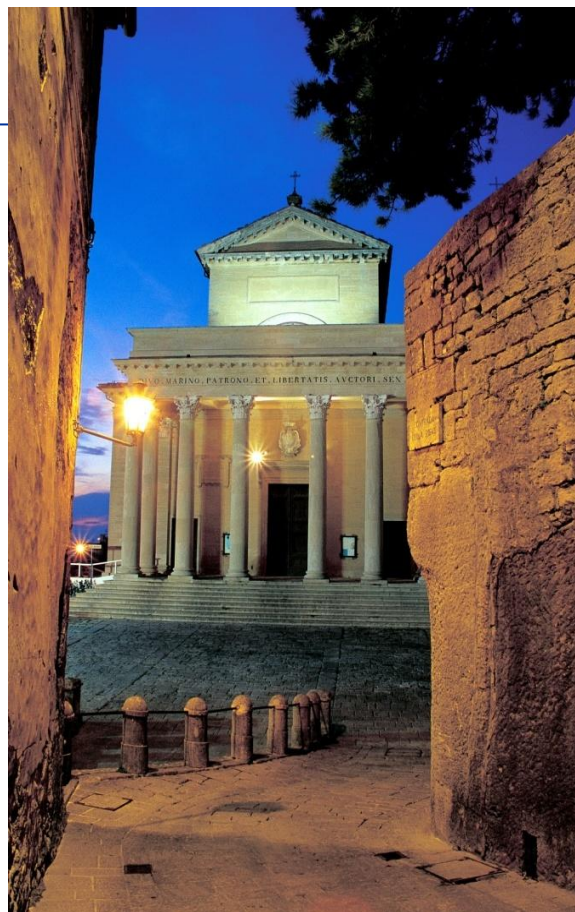
Church of San Quirino

La Pieve – Basilica of the Saint



...glimpses of history





4th IAA SYMPOSIUM

on Searching for Life Signatures

Venue



Kursaal Congress Centre



Located in the old-town centre, walking distance to the hotels



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Repubblica di San Marino



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 (3rd floor)

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



TITANO (3rd floor)

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



LIBERTAS (3rd floor) **KENO 1 and KENO 2** (1st floor)

Dimensions: 65 sq. m
Capacity: 45 - theatre set up
Screen size: 4x3 m

Complementary spaces



ENTRANCE HALL
(low ground)

185 sq. m



FOYER 1st floor 75 sq. m
FOYER 3rd floor 150 sq. m



BASTIONI
(low ground)

150 sq. m (13x12 m)
Capacity: 50 – theatre set up



RECEPTION
(low ground)

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



RESTAURANT and BAR (1st floor)
353 sq. m (26x13 m)
Seating capacity: 400 persons

Accommodation

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



Restaurants

About 30 high-quality restaurants, to meet every expectation



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.



Food and Wine



San Marino, Marche and Romagna



Convention & Visitors Bureau
Repubblica di San Marino



your local contact

Convention & Visitors Bureau della Repubblica di San Marino

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www.sanmarinoconvention.sm

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