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## **7th EUROPEAN CONGRESS OF IFHE-EU**

DEVELOPING AND SPREADING ENGINEERING KNOWLEDGE  
TO THE FUTURE'S HOSPITAL

# **IFHE-EU 2017**

## **European Congress for Hospital Engineering**

### **2017- May, 29-31**

### **Bologna (Italy)**





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## **S.I.A.I.S. - THE CONGRESS HOSTING SOCIETY**

## **THE ITALIAN SOCIETY FOR ARCHITECTURE AND ENGINEER FOR HEALTHCARE**

*The SIAIS wishes to host the 7th IFHE-EU Congress in 2017*

The Society was founded in Bologna on the 21st of April 2006 from the willingness of a group of professionals that, thanks to their expertise and cultural awareness, developed within the National Healthcare System, has recognized the need to further develop the fragmented network of skilled people and technological knowhow within the healthcare sector. The expansion of the above-mentioned network comprised of architects, engineers and technicians working all in the public and private healthcare sector.

The SIAIS's legal office is located in Bologna at 54 Indipendenza street whereas the administrative office is located within the S.Orsola policlinic in Alberoni street by the President Daniela Pedrini's office.

Although the association was recently created it boasts the traditions and cultures of many other previously created associations across the region that have continuously tried to help and provide technical answers to all people involved with the Healthcare system. Starting from the period between 80-90's these associations have worked closely not only with architectural and engineering consultancies but also with those who have decided to identify themselves into a scientific community rather than a hardly recognizable union. This differs from what currently happens with the FeNATO, another Italian founding association together with the other IFHE international associations.

The SIAIS aims to promulgate and develop in Italy the engineering culture pertaining to the design of Health-care facilities. In order to achieve this SIAIS commit themselves to a number of activities such as congresses and technical seminars some of which are organized directly in-house.



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The SIAIS counts 1.000 people already affiliated (registered and supporter).

The SIAIS recognizes the person of Eng. Marcello Fiorenza, a founding member of SIAIS, Scientific Secretary and member of the directional board and in many occasions delegated (from the FeNATO too) to maintain public relationships with the IFHE-EU.

Eng. Marcello Fiorenza has known the IFHE since the Sidney 2000 18th IFHE congress and he has been publicly speaking during IFHE events from 2002 to 2014, and IFHE-EU since 2005.

The IFHE-EU President (2017-2019) will be Eng. Marcello Fiorenza - SIAIS Scientific Secretary

The President of IFHE-EU Congress will be Eng. Daniela Pedrini - SIAIS President



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## PROVISIONAL THEME OF THE CONGRESS

### CONGRESS TOPICS

**IFHE-EU 2017** participants are invited to submit abstract to the Congress within the general theme: *“How to promote, develop and spread the knowledge of health engineer multidisciplinary integrated and exchange of technical experiences and more precisely within the following topics”*:

- ✓ *Energy Saving and Energy efficiency improvements*
- ✓ *Planning and design optimization*
- ✓ *Architecture and landscape*
- ✓ *Maintenance and safety in hospital - sharing experiences*
- ✓ *ICT improvement and innovation*
- ✓ *European roles & rules (fire-regulations, safety, seismic regulations)*
- ✓ *Health Technology Assessment* (analysis of medical-clinical, social, organizational, economic, ethical and legal implications of a technology through a multi-dimensional evaluation such as the efficacy, safety, cost, social impact ,maintenance)

Please note also that the abstract presenters are asked to allow the publication of their oral presentation slides on **the Congress website <http://www.ifhe-eu2017.com>**



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## IFHE/EU 2017 PROVISIONAL PROGRAMME

### Sunday, May 28

- 9 am – 12.30 pm – EU-Exco meeting (6-8 people)
- 10.30 am – Coffee break
- 1.30 pm – Lunch
- 03.30 – 6.30 pm – EU-Council meeting
- 8 pm – Cocktail Dinner

### Monday, May 29

- 8:30 am – Registration Opening
- 9.30 am – Congress activities.
- 11,30 am – Opening ceremony
- 1.30 pm – Opening of sponsor area and lunch  
among the stands.
- 3 – 6 pm – Congress activities.
- 7 pm – Welcome cocktail Dinner

### Tuesday, May 30

- 9.30 am – 1 pm – Congress activities
- 1.30 – 3 pm – Lunch among the stands
- 3 – 3.30 pm – IFHE-EU Assembly
- 3.30 – 6.30 pm – Congress activities
- 6.30 – 7.00 pm Congress-Closure
- 8.30 pm – Gala Dinner .



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**Wednesday, May 31**

**TECHNICAL VISIT**

**Thursday, June 1st**

**TECHNICAL VISIT**

Visit options: 1, 2, 3

Visit n.1: Policlinic S.Orsola – Technical and Systems Unit

Visit n.2: Policlinic S. Orsola – Cardio - thoracic- vascular new Building

Visit n.3: Rizzoli old (historic) hospital

**ACCOMPANYING SOCIAL PROGRAM**

Monday, May 29 : Bologna city Tour : San Petronio e Palazzo Re Enzo, Torri degli Asinelli e Garisenda

Tuesday, May 30 : Visita a: Collina di San Luca e S.Francesco



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### Proposed registration fees are the following:

*NOTE: All prices include VAT 22 %*

Price in parenthesis is valid after 31 March 2017

- € 400 (500 €) full delegate registration \*
- € 300 (375 €) reduced registration fees for IFHE and SIAIS members\*\*
- € 170 (212,50 €) accompanying person registration fees\*\*\*
- € 150 (187,50) for speakers, Council Members and Council & Exco Members' accompanying persons
- free registration fees for members of Exco
- free for students \*\*\*\*
- € 60,00 Gala dinner

\* the full registration fees include attendance at the scientific program, congress material, lunch, welcome dinner on the congress days and technical visit

\*\* fees include attendance at the scientific program, congress material, lunch, welcome dinner on the congress days and technical visit

\*\*\* accompanying fees include lunch, welcome dinner and social program

\*\*\*\* student fees include congress material and lunch

For the Gala dinner on Tuesday, 30 May, there is an extra charge of 60 EUR.

#### Registration fees

Note! Register early to take advantage of the lower registration fee. The 'early bird' registrations and payments must be **made by 31 March 2017**. All registrants will receive a confirmation letter from the Congress Office after the early registration deadline.



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## THE S.I.A.I.S. CURRICULUM

The Italian Society of Architects and Engineers for Healthcare (SIAIS) is a no profit organization that intends to join together, on a national level, engineers, architects and those who graduated in technical schools that work on a local level, regional and national with public or private organizations having an arrangement with the National Health Organization with the purpose to pursue in an unitary way and in agreement the following aims and activities:

- To develop professional relationships among members to update and cultural exchange among the different fields;
- To give out to members technical material and information about a best practice of professional activity with particular regard to the sanitary area;
- To exploit technical functions and, especially, the engineers architects and technicians professionalism for a right management of the sanitary structures;
- To promote researching and development of scientific knowledge in

technical sectors of the Healthcare;

- To promote, develop and spread the culture and the technology for health care to engineers, architects and technicians;
- To promote the development of new technical-professional figures;
- To promote the study and the development of managerial models in order to support a valid management of Health Organizations;
- To promote the cooperation among members to encourage forming and updating so that it's guaranteed an high professional standards in fields such as: planning, realization, purchase, testing, maintenance, safety and management of sanitary structures and technologies;
- To promote agreements with industries for technical and scientific updating for innovations in buildings, systems and technological area;
- To promote cooperation relationships with scientific, technical, professional, public and private organizations, Italians or foreigners, that intend to pursue aims





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that are similar or complementary to those of the association or, otherwise, not in total disagreement with them;

- To promote updating of professional legislation;
- To organize local, national and international meetings, congresses,

professional updating courses, study tours and all sort of manifestation to give out technical and scientific knowledge;

- To spread the results of the studying and researching activities through articles, monographies, periodicals ,magazines, books, mass media etc...

SIAIS counts several members coming from all regions and its aim is to put together the majority of professionals in this field (engineers, architects and technicians) that work in the Italian National Health Organization.

*For more info, please contact Daniela Pedrini SIAIS Chairman, phone number +39 051 63612422, mobile +39 335 6234473, e-mail: [info@siais.it](mailto:info@siais.it), [segreteria@siais.it](mailto:segreteria@siais.it)*



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## THE ORGANIZING SECRETARIAT



Partner Comunicazione Agency  
Bologna, Italy, Via Montebello, 2  
[www.partnercomunicazione.it](http://www.partnercomunicazione.it)

### Partner Communication Agency:

- Organizes National and International conferences
- Manages fund raising with dedicated and specifically trained staff
- Develops marketing and communication activities supporting planned initiatives
- Has shareholdings in information technology and multimedia communication companies functional to the core business
- Can integrate the educational events and conferences with technical supports and innovative information technology able to maximize the interactivity
- Has developed a management software supporting all the activities of the event organization

### About us:

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IFHE/EU – Bologna (Italy) 2017 - May, 29-31



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PARTNER COMMUNICATION is experience gained in nearly 15 years.

Our competencies in event management, brand strategy , marketing and communication. The experience is manifested in coordinating the mix of creative, technical and logistics that leads to the success of the campaign or event.

From design to audiovisual production and content management budget, negotiation and customer service.

A multi-dimensional profession and intense activity, which enables us to address any issues and related problems, from small to large location, from initial planning to the event indeed. We own the ability gained to coordinate all the professionals allows us versatility and efficiency.

## **PARTNER COMMUNICATION**

From the Creation of the Logo to the realization of Merchandise

We study integrated communication strategies optimized to use all available channels, in order to convey a clear and convincing message.

- Strategic Communication
- Logo and Corporate Identity
- Flyers / Posters / Catalogs / Brochures
- Artwork CD / DVD
- Business Card
- Direct Marketing
- Social Media
- Gadgets
- Press office

## **PARTNER PRODUCTION EVENTS**

The event at 360°, from concept to completion



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We develop the concept of the event, we check the budget, choose the venue, we plan the logistics and coordinate all of technical and production aspects.

- Production Manager -Tour Manager
- Stage Hands -Backliner -Driver/Runner -Security -Hostess
- Location – Hosting -Stage-and Structures
- Audio / Video / Lights
- Stands / Fittings - Catering -Transfer / Pick-Up

The professional staff who develops and manages the congress events has following chart and functions:

President-CEO	BARBARA ANSALONI
Communication Manager	GIULIANO ANTONIONI
Web	EMANUELE GALLERANI
Press	CONCETTA GAGGIANO
Staff	FEDERICA TROMBINI
Staff	MICAELA BEROZZI
Staff	CRISTINA ZANASI

The owners of Partner are listed on the first row. All personnel is part of the permanent staff of the company and might be increased according to project management activities. English is fluently spoken and correctly written by the majority of our staff; furthermore other European languages are spoken.



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## THE CONGRESS VENUE

### SAVOIA HOTEL REGENCY – CONGRESS CENTRE



Savoia Hotel Regency, four star hotel, set in Bologna, is the right place for who's looking for a quiet holiday thanks to the hospitality guaranteed and its welcoming staff, the "key words" of the Trombetti family's product that will fulfill all your needs.

Comfortable rooms, large lounge and outdoor spaces, magnificent swimming pool and blooming park, typical restaurant and modern conference centre will guarantee an unforgettable stay in this magnificent villa.



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The four star Savoia Hotel Regency is the perfect place especially for those who are looking for a quite holiday in which hospitality is the "key word" of the Trombetti family. They will fulfil all your needs and desires.

The hotel is built in a Villa dated back to the eighteenth-century in which guests will be cuddled by the staff. Thanks to its large lounges and outdoor spaces guests can relax themselves in every moment of the day.

The hotel is located in an area of about 10.000 square metres and offers a large magnificent swimming pool with view of the blooming park. In front of the luxurious and large lounge furnished with elegant Venetian flooring and crystal chandeliers there are the elegant roof gardens with fountains and palm trees.

On the two upper floors, there are 72 double rooms of different dimensions (18 to 26 square metres). Six business suites and two suites are located on the two turrets equipped also with hydro massage, sauna, balcony and solarium.

The Garganelli restaurant is situated on the hotel roof in a wonderful place in which guests can taste aperitifs or eat delightful Bolognese dishes.

The basement is composed by a garage and a fitness centre.

Savoia Hotel Regency offers also a multifunctional conference centre equipped with the most technological facilities.

## CONFERENCE CENTRE

This is the ideal place in order to organize meetings and business conferences. The conference centre is available up to 600 persons, and is composed with the most modern and technological facilities.



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- 18 modular meeting rooms
- Capacity from 10 to 800 people in the main hall
- Large common areas for sponsors exhibitions and accreditation areas
- Maximum height Congress Centre mt 4.65
- Direct - load / unload in room access ( access even cars ) .
- External source of our confidence for technical / audiovisual

## DISTANCES

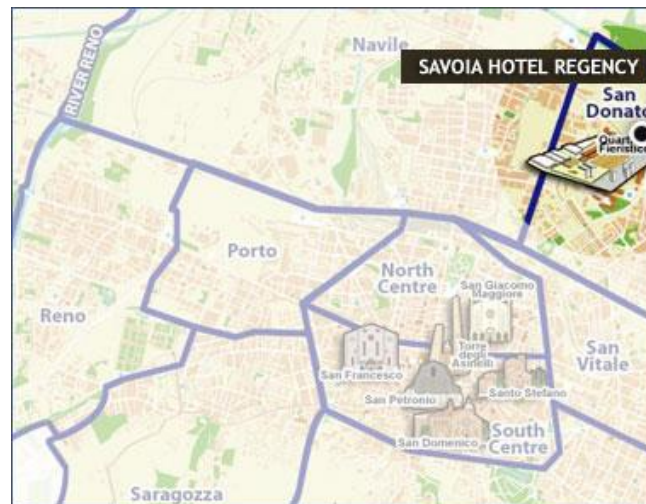




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From the G.Marconi airport of Bologna: 11 km.

From the train station: 7 km.

From the city centre: 5,5 km.

From Bologna fiere exhibition centre: 2 km.





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## BOLOGNA. THE CONGRESS CITY

Bologna is called “The Learned City”. This refers to its supremacy in having the oldest University in Europe. It was founded at the end of the 11th century. The history of the University can be discovered with these fascinating itineraries, visiting: the Archiginnasio Palazzo, the Anatomical Theatre, the University Collections, and the Medieval Museum.





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Bologna also excels with another unique feature: it is the city with the most porticoes in the world. In all, it has 40 kilometres of arcades that create a very special atmosphere. The city's landscape is also made up of a large number of medieval towers. The most impressive ones are the famous Two Towers: real Medieval sky-scrapers! Climbing to the top of the Asinelli Tower, with its breath-taking view, is an incredible experience.



The different historical periods can be explored in the city and its many museums.

The origins of the city are revealed by Etruscan and Roman finds preserved in the Civic Archeological Museum and in the archeological excavations of the Sala Borsa building. Splendid examples of the art of the Middle Ages and the Renaissance can be seen in museums, churches and palazzi. Sumptuous architecture and spectacular frescoes document the vital role of Baroque in this city. All the civic



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museums of Bologna are free.

The Bolognese School (of art) tradition includes very important artists: Vitale da Bologna, Francia, the Carracci family, Reni, Guercino and Crespi. However, the works of other great Italian artists can also be admired, such as paintings by Perugino, Raffaello, Parmigianino and sculptures by Nicola Pisano, Nicolò dell'Arca, Jacopo della Quercia, Michelangelo and Jean de Boulogne. One museum is dedicated to the fascinating works by the Bolognese-born painter Giorgio Morandi, one of the most important Italian artists of the 20th century.



Bologna can also boast a great musical heritage. The Teatro Comunale, the opera- house, designed by Antonio Bibiena, is one of the oldest opera-theatres in the world. In the 18th century, Bologna was the temple of music in Europe. Mozart came here to sit the exam for the admission to the Philharmonic Academy. The great composer Rossini studied and lived in Bologna. The International Museum of Music fascinatingly records the historical musical events of the city through the pieces that were part of the Padre Martini collection



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In Bologna area, world famous gems of the motor and sports car industry are manufactured, such as Ducati and Lamborghini.

Fans of racing cars and the motor industry can visit these factories and their fascinating motor museums.



One of the most appreciated features of Bologna: its cuisine. As a matter of fact, Bologna is also known as “The Fat City”. In the heart of the city, by the main square, you can find the old market with fruit and vegetable stands, bakeries, delicatessens, fishmongers and pasta shops where tagliatelle and tortellini are made. You can try this pasta in traditional restaurants and trattorias.

### **ETRUSCAN AND ROMAN BOLOGNA**

Bologna has Etruscan origins. Villages in the area date back to the 9th Century. The Etruscan village of Felsina, on the site of Bologna, was founded during the 6th Century



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B.C. Rich Etruscan funerary sets, with precious ceramic vases, and objects of daily-life are on show in the Archeological Museum. The city was then re-founded by the Romans in 189 B.C., with the new name of Bononia. Besides the ancient Roman findings at the Archeological Museum mentioned above, it is possible to see the interesting remains of the ancient Roman Forum in Sala Borsa, a grand hall located inside the City Hall Palazzo in Piazza Maggiore.

### **MEDIEVAL BOLOGNA**

Bologna's "Golden Age" is the Middle Ages, especially the 13th Century. Bologna was a proud independent city-state, where the first university in medieval Europe was founded. Bologna was also rich in commerce and artisan-crafts such as the production of silk. The Medieval Museum, housed in a beautiful late 15th century noble palazzo, has magnificent collections. The most unusual of these collections is the medieval sculptures showing the professors teaching the students. Walking through the city centre we see buildings dating from the age of the Commune, belonging to the world of merchants and artisans, the noble towers, and the wooden arcades of the medieval palazzi.

### **BOLOGNA 'LA DOTTA': HISTORY OF THE OLDEST UNIVERSITY IN EUROPE**

Bologna's "Studio", founded in 1088, was the first university in Europe. In Piazza San Domenico and Piazza San Francesco we can see grandiose monuments, tombs of the most celebrated University professors (8th-9th centuries). The Medieval Museum houses this type of monuments, so characteristic of medieval Bologna, with vivid bas-reliefs showing a professor teaching an audience of students. From the 16th Century onwards a single building became the seat of all the university: the Archiginnasio Palace, a magnificent Renaissance Palazzo. Inside it there is a 17th Century Anatomy Classroom, decorated with wooden sculptures related to Medicine.



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## **RENAISSANCE BOLOGNA. THE LORDSHIP OF THE BENTIVOGLIO**

During the 15th Century Bologna enjoyed an age of splendour under the power of a single family, the Bentivoglio, who were the city's lords and main art-patrons, like the Medici in Florence, and the Este in Ferrara. During this age the Podestà Palace in Piazza Maggiore was totally renovated, with a very classic rustic-style portico. Under the patronage of the Bentivoglio family, work was carried out inside San Giacomo church, where the Chapel was designed following Brunelleschi's novel architecture. Among the paintings by Lorenzo Costa and Francesco Francia we can admire the portraits of Giovanni II Bentivoglio and his family.

## **FELSINA PITTRICE. THE GREAT BOLOGNESE SCHOOL OF PAINTING**

Bologna's School of Painting was at its best during the 14th Century and the 16th-17th Centuries. The Pinacoteca Nazionale houses paintings by Bolognese masters such as Vitale da Bologna, Annibale Ludovico, Agostino Carracci, Guido Reni, and Guercino, as well as masterpieces by other great Italian artists like Giotto, Perugino, Raffaello and Parmigianino. The splendour of the young Carracci's painting is at its best in the frescoes of Palazzo Magnani. In Palazzo Pepoli Campogrande there is another important painting collection, and the rooms' ceilings show mythological scenes painted in a refreshing and non-conventional style by Giuseppe Maria Crespi (end of 17th Century).

## **BOLOGNA'S TERRACOTTA SCULPTURE**

Terracotta sculpture was an artistic tradition in Bologna and the Emilia region during the 15th- 16th Centuries. The absence of marble in this area led to sculptors using alternative materials; real masterpieces were made with terracotta, traditionally a "poor" but versatile material. The terracotta decoration of the façade of the Spirito Santo Oratory is a very fine example of the exuberance typical of northern Italian Renaissance art. The artist who reached the highest standards of expressiveness in terracotta sculpture is Nicolò dell'Arca, whose masterpieces are the Madonna on the Palazzo Comunale's façade, and the "Compianto" (the Deposition) in Santa Maria della Vita Church (late 15th Century).



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Another great master is Alfonso Lombardi. His most important works are the terracotta statues of the “Madonna Funerals” in Santa Maria della Vita Oratory, the “Compianto” (the Deposition) in Saint Peter’s Cathedral, and the Patron Saints of Bologna in the Podestà Palace (all early 16th Century).

### **UNDERGROUND BOLOGNA**

Since recently, some interesting historical underground sites of Bologna can be visited. 1) The archeological findings of SALA BORSA, inside Palazzo Comunale in Piazza Maggiore show the remains of Bononia’s ancient Roman Forum 2) The BAGNI DI MARIO, outside one of the old city’s gates – Porta San Mamolo -: the complex is a 16th Century aqueduct built for the water supply to the Neptune Fountain in the city centre. The water cisterns and tunnels are fully visible and well preserved. 3) The TORRENTE APOSA tunnel was built from the 13th to the 19th Century, following the Aposa stream through the city centre. The tour gives visitors the chance to discover hidden aspects of the city’s life.

### **MUSICAL BOLOGNA**

Thanks to its prestigious Music Academy, the Accademia Filarmonica, and its great music scholars like Padre Giovanni Battista Martini, Bologna became one of the most important European centres for music in the 18th Century. W. A. Mozart, at the age of 14, spent the summer of 1770 in Bologna studying for his qualifying exam at the Filarmonica Academy. Mozart’s written exam is preserved, together with very rare and precious musical texts, ancient musical instruments, and a collection of great musicians’ portraits, in the International Music Museum The Teatro Comunale, late baroque architecture by Antonio Bibiena, was opened in 1763 and is one of the oldest Opera theatres in Italy. In the 19th Century, the “Comunale” was the Italian theatre where all Wagner’s premieres were performed, in competition with “La Scala” of Milan, considered “Verdi’s theatre”. Visits of the Teatro Comunale upon request.





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## **BOLOGNA'S CULINARY TRADITIONS AND SPECIALITIES**

Bologna's cuisine is famous all over the world. The traditional making of "sfoglia", egg-pasta, is one of its "glories". Sfoglia is the base of different types of local pasta: tortellini, tortelloni, tagliatelle, and lasagne.